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1987 AGRICULTURAL STATISTICS

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IOWA AGRICULTURAL STATISTICS (formerly Iowa Crop and Livestock Reporting Service)

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State Capitol
Des Moines, Iowa 50309

and

U.S. DEPARTMENT OF AGRICULTURE NATIONAL AGRICULTURAL STATISTICS SERVICE

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DALE M. COCHRAN
SECRETARY OF AGRICULTURE



SHIRLEY DANSKIN-WHITE
DEPUTY SECRETARY OF AGRICULTURE

HENRY A. WALLACE BUILDING
DES MOINES, IOWA 50319

July 1987

To The People of Iowa:



The Iowa Department of Agriculture and Land Stewardship is proud to present the **1987 Iowa Agricultural Statistics**. This publication provides data about and for this important industry. Iowa soils and climate provide an important annual renewable resource of agricultural products used for food, fiber and energy throughout the world. The state and county data were compiled from voluntary reports from thousands of Iowa farmers, processors, handlers, agribusiness people and others who have a vital stake in the agricultural economy and welfare.

The farm economy has improved greatly during the past year as livestock prices strengthened and the federal government program bolstered farm income. A plentiful supply of low-cost feed grains resulted in a profitable year for livestock producers. The domestic and foreign grain markets were greatly enhanced in 1986 by the PIK program. Production expenses were down in 1986 as input costs for feed, fuel and fertilizer were lower. This resulted in some easing of the financial difficulties for agriculture, but the rural Iowa agribusinesses and supporting industries are still caught in the cost-price squeeze. The months ahead are brighter for Iowa agriculture and its related agribusinesses, and we will come through these tough times as a stronger segment of the economy if we continue to work together as we have in the past.

I want to thank the reporters for volunteering their time to provide the invaluable basic data which were the source for these statistics. This program began in 1975 and has developed into one of the most valuable tools available for agribusiness in Iowa and the nation. The Bureau of Statistics of the Iowa Department of Agriculture and Land Stewardship assembles and publishes the crop and livestock statistics. The state-level statistics are funded by federal funds while within-state numbers are funded through state appropriations. This cooperative arrangement prevents duplication of effort and affords us the best statistical data series currently available.

Sincerely,

Dale M. Cochran

Dale M. Cochran
Iowa Secretary of Agriculture

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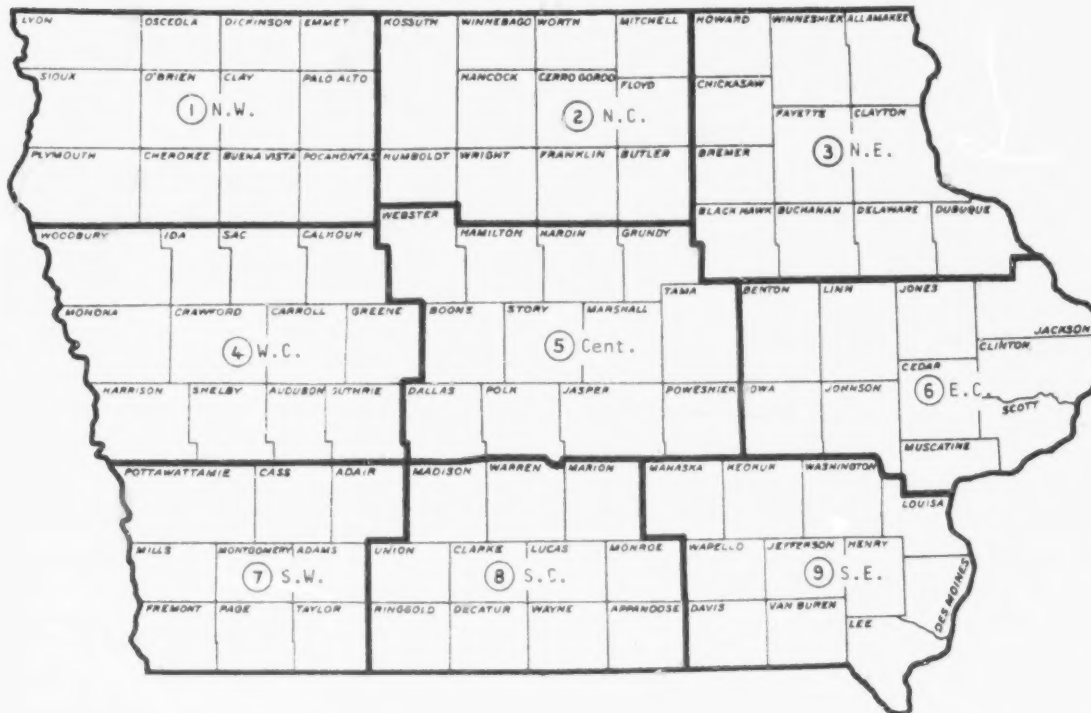
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IOWA COUNTIES AND CROP REPORTING DISTRICTS



Iowa is divided into nine crop reporting districts for convenience in compiling and presenting statistical information on crops and livestock. These nine districts are outlined on the above map. The districts are designated as follows: Northwest (NW), West Central (WC), Southwest (SW), North Central (NC), Central (C), South Central (SC), Northeast (NE), East Central (EC), and Southeast (SE). In tables showing statistical information by counties in this bulletin, counties within each district are grouped together in alphabetical order. Totals and averages are shown for each district.

Following is an alphabetical list of counties showing crop reporting districts in which each county is located:

Adair	SW	Davis	SE	Jefferson	SE	Pocahontas	NW
Adams	SW	Decatur	SC	Johnson	EC	Polk	C
Allamakee	NE	Delaware	NE	Jones	EC	Pottawattamie ...	SW
Appanoose	SC	Des Moines ...	SE	Keokuk	SE	Poweshiek	C
Audubon	WC	Dickinson	NW	Kossuth	NC	Ringgold	SC
Benton	EC	Dubuque	NE	Lee	SE	Sac	WC
Black Hawk	NE	Emmet	NW	Linn	EC	Scott	EC
Boone	C	Fayette	NE	Louisa	SE	Shelby	WC
Bremer	NE	Floyd	NC	Lucas	SC	Sioux	NW
Buchanan	NE	Franklin	NC	Lyon	NW	Story	C
Buena Vista ...	NW	Fremont	SW	Madison	SE	Tama	C
Butler	NC	Greene	WC	Mahaska	SE	Taylor	SW
Calhoun	WC	Grundy	C	Marion	SC	Union	SC
Carroll	WC	Guthrie	WC	Marshall	C	Van Buren	SE
Cass	SW	Hamilton	C	Mills	SW	Wapello	SE
Cedar	EC	Hancock	NC	Mitchell	NC	Warren	SC
Cerro Gordo ...	NC	Hardin	C	Monona	WC	Washington	SE
Cherokee	NW	Harrison	WC	Monroe	SC	Wayne	SC
Chickasaw	NE	Henry	SE	Montgomery ...	SW	Webster	C
Clarke	SC	Howard	NE	Muscatine	EC	Winneshiek	NE
Clay	NW	Humboldt	NC	O'Brien	NW	Woodbury	WC
Clayton	NE	Ida	WC	Osceola	NW	Worth	NC
Clinton	EC	Iowa	EC	Page	SW	Wright	NC
Crawford	WC	Jackson	EC	Palo Alto	NW		
Dallas	C	Jasper	C	Plymouth	NW		

GENERAL INFORMATION

The 1987 Iowa Agricultural Statistics includes the latest statistical information on Iowa agriculture. Preliminary county estimates of crops and livestock produced in 1986 and inventory numbers as of January 1, 1987 are included. Revised county estimates for 1985 are also presented in this publication.

The Iowa Agricultural Statistics office is a cooperative effort of the Iowa Department of Agriculture and Land Stewardship, Bureau of Statistics and the U.S. Department of Agriculture, National Agricultural Statistics Service. This cooperative office has been in existence since 1937 when the first cooperative agreement was signed. Prior to May 1986, the office was known as the Iowa Crop and Livestock Reporting Service. Although the name has changed, the mission of the office remains the same---to provide reliable, timely, agricultural statistics, using scientifically sound sampling and estimating procedures.

HIGHLIGHTS OF 1986: Record corn and soybean yields were realized in 1986 as mild temperatures and near-record precipitation were recorded. By late summer and early fall, hog inventory numbers dipped to the lowest level in years, boosting hog prices to the record-high levels. Cattle numbers in Iowa feedlots began to reflect the stronger economy as cattlemen stocked the feedyards in the fall and winter with more stock than they had in recent years.

The economic condition of the farm sector began to improve in 1986 even though commodity prices for grains fell to the lowest level in years. Farmers found the 1985 U.S. Farm Program offered them many alternatives that helped to improve the cash flow for many of them. Land prices continued to tumble early in 1986 but by winter, land prices were beginning to level out with some strengthening at the year's end.

ACKNOWLEDGMENT: The preparation of a complex publication like this requires the input of many people. The most important ones are the farmers and agricultural product handlers who supply the basic information by voluntarily completing questionnaires about their operations. We want to extend a very special thanks to the field and telephone enumerators who collect the data for this outstanding publication. Last, but far from least, we want to express our appreciation to the technical and clerical staff of the Iowa Agricultural Statistics office for their devoted service.

Agriculture is Iowa's and the nation's leading industry. Many foreign customers rely on Iowa-grown products to provide the food and fiber to fulfill their needs. We are proud to be a part of the agribusiness community by supplying the following tables that aid in decision-making to effectively and orderly market Iowa's commodities.

HOW TO ORDER: Additional copies of this publication, along with current reports and forecasts, are available upon request to the Secretary of Agriculture's office or through this office, Room 833, 210 Walnut Street, Des Moines, Iowa 50309. There is a nominal charge of \$3.00 per copy for this publication which covers the cost of printing and postage. Checks should be made payable to the "Iowa Department of Agriculture."



Duane M. Skow
State Statistician



Howard R. Holden
Deputy State Statistician

Iowa Farms: Number, Land In Farms And Average Size, By County, 1985

County and district	Number of farms	Land in farms	Average size	County and district	Number of farms	Land in farms	Average size
	Acres (000)		Acres		Acres (000)		Acres
Buena Vista	1,140	351.9	309	Marshall	1,150	344.4	299
Cherokee	1,170	355.9	304	Polk	1,060	260.0	243
Clay	1,010	345.8	342	Poweshiek	1,110	357.6	322
Dickinson	630	226.8	360	Story	1,200	333.7	278
Emmet	690	240.8	349	Tama	1,440	437.9	304
Lyon	1,330	363.2	273	Webster	1,300	423.9	326
O'Brien	1,280	352.6	275	C District	14,400	4,290.4	298
Osceola	800	246.5	308	Benton	1,520	434.8	286
Palo Alto	980	348.8	356	Cedar	1,270	352.0	277
Plymouth	1,800	534.3	297	Clinton	1,510	409.2	271
Pocahontas	1,070	355.4	332	Iowa	1,110	361.1	325
Sioux	2,000	468.0	234	Jackson	1,360	378.8	279
NW District	13,900	4,190.0	301	Johnson	1,450	337.7	233
Butler	1,420	353.0	249	Jones	1,250	348.9	279
Cerro Gordo	1,000	338.4	338	Linn	1,710	389.4	228
Floyd	1,060	303.6	286	Muscatine	960	250.5	261
Franklin	1,120	358.1	320	Scott	1,060	239.0	225
Hancock	1,130	350.0	310	EC District	13,200	3,501.4	265
Humboldt	820	267.4	326	Adair	1,000	356.4	356
Kossuth	1,820	600.3	330	Adams	700	264.7	378
Mitchell	970	288.7	298	Cass	1,010	347.0	340
Winnebago	820	243.3	297	Fremont	730	312.8	428
Worth	770	242.8	315	Mills	650	267.2	411
Wright	970	355.8	367	Montgomery	720	260.8	362
NC District	11,900	3,701.4	311	Page	1,000	328.6	329
Allamakee	1,100	373.6	340	Pottawattamie	1,740	562.1	323
Black Hawk	1,310	308.5	235	Taylor	850	333.2	397
Bremer	1,240	260.3	210	SW District	8,400	3,032.8	361
Buchanan	1,370	345.9	252	Appanoose	880	289.4	329
Chickasaw	1,140	305.1	268	Clarke	740	264.2	357
Clayton	1,680	465.3	277	Decatur	740	325.1	439
Delaware	1,430	348.7	244	Lucas	740	255.3	345
Dubuque	1,670	348.4	209	Madison	1,120	347.4	310
Fayette	1,580	441.1	279	Marion	1,200	308.7	257
Howard	1,020	288.4	283	Monroe	730	264.2	362
Winnebago	1,660	419.2	253	Ringgold	750	337.7	450
NE District	15,200	3,904.5	257	Union	750	259.7	346
Audubon	870	277.5	319	Warren	1,350	334.3	248
Calhoun	1,120	351.9	314	Wayne	800	323.8	405
Carroll	1,350	351.4	262	SC District	9,800	3,309.8	338
Crawford	1,450	444.4	306	Davis	930	310.6	334
Greene	1,000	354.4	351	Des Moines	790	218.5	277
Guthrie	1,060	364.4	344	Henry	930	262.3	282
Harrison	1,150	425.0	370	Jefferson	870	263.4	303
Ida	840	268.4	320	Keokuk	1,160	356.4	307
Monona	900	421.2	468	Lee	1,030	294.8	286
Sac	1,100	355.1	323	Louisa	670	233.4	348
Shelby	1,260	365.4	290	Mahaska	1,220	350.9	288
Woodbury	1,500	510.1	340	Van Buren	870	296.5	341
WC District	13,600	4,489.2	330	Wapello	930	249.6	268
Boone	1,110	337.4	304	Washington	1,200	344.1	287
Dallas	1,160	345.6	298	SE District	10,600	3,180.5	300
Grundy	1,090	312.8	287	State	111,000	33,600.0	303
Hamilton	1,110	350.6	316				
Hardin	1,160	347.2	299				
Jasper	1,510	439.3	293				

Iowa Farms: Number, Land in Farms And Average Size, By County, 1986¹

County and district	Number of farms	Land in farms	Average size	County and district	Number of farms	Land in farms	Average size
	Acres (000)	Acres			Acres (000)	Acres	
Buena Vista	1,120	351.9	314	Marshall	1,130	344.4	305
Cherokee	1,150	355.9	309	Polk	1,040	260.0	250
Clay	990	345.8	349	Poweshiek	1,090	357.6	328
Dickinson	620	226.8	366	Story	1,180	333.7	283
Emmet	680	240.8	354	Tama	1,400	437.9	313
Lyon	1,300	363.2	279	Webster	1,270	423.9	334
O'Brien	1,250	352.6	282	C District	14,100	4,290.4	304
Osceola	780	246.5	316	Benton	1,490	434.8	292
Palo Alto	960	348.8	363	Cedar	1,240	352.0	284
Plymouth	1,760	534.3	304	Clinton	1,480	409.2	276
Pocahontas	1,050	355.4	338	Iowa	1,090	361.1	331
Sioux	1,940	468.0	241	Jackson	1,330	378.8	285
NW District	13,600	4,190.0	308	Johnson	1,420	337.7	238
Butler	1,400	353.0	252	Jones	1,220	348.9	286
Cerro Gordo	980	338.4	345	Linn	1,650	389.4	236
Floyd	1,040	303.6	292	Muscatine	940	250.5	266
Franklin	1,100	358.1	326	Scott	1,040	239.0	230
Hancock	1,110	350.0	315	EC District	12,900	3,501.4	271
Humboldt	810	267.4	330	Adair	980	356.4	364
Kossuth	1,790	600.3	335	Adams	680	264.7	389
Mitchell	950	288.7	304	Cass	990	347.0	351
Winnebago	810	243.3	300	Fremont	710	312.8	441
Worth	760	242.8	319	Mills	640	267.2	418
Wright	950	355.8	375	Montgomery	700	260.8	373
NC District	11,700	3,701.4	316	Page	980	328.6	335
Allamakee	1,090	373.6	343	Pottawattamie	1,690	562.1	333
Black Hawk	1,300	308.5	237	Taylor	830	333.2	401
Bremer	1,230	260.3	212	SW District	8,200	3,032.8	370
Buchanan	1,360	345.9	254	Appanoose	860	289.4	337
Chickasaw	1,130	305.1	270	Clarke	730	264.2	362
Clayton	1,680	465.3	277	Decatur	730	325.1	445
Delaware	1,420	348.7	246	Lucas	730	255.3	350
Dubuque	1,660	348.4	210	Madison	1,100	347.4	316
Fayette	1,570	441.1	281	Marion	1,170	308.7	264
Howard	1,010	288.4	286	Monroe	720	264.2	367
Winneshek	1,650	419.2	254	Ringgold	740	337.7	456
NE District	15,100	3,904.5	259	Union	740	259.7	351
Audubon	850	277.5	326	Warren	1,300	334.3	257
Calhoun	1,100	351.9	320	Wayne	780	323.8	415
Carroll	1,320	351.4	266	SC District	9,600	3,309.8	345
Crawford	1,420	444.4	313	Davis	920	310.6	338
Greene	980	354.4	352	Des Moines	780	218.5	280
Guthrie	1,040	364.4	350	Henry	920	262.3	285
Harrison	1,130	425.0	376	Jefferson	960	263.4	306
Ida	820	268.4	327	Keokuk	1,150	356.4	310
Monona	880	421.2	479	Lee	1,020	294.8	289
Sac	1,080	355.1	329	Louisa	670	233.4	348
Shelby	1,230	365.4	297	Mahaska	1,210	350.9	290
Woodbury	1,450	510.1	352	Van Buren	860	296.5	345
WC District	13,300	4,489.2	338	Wapello	920	249.6	271
Boone	1,090	337.4	310	Washington	1,190	344.1	289
Dallas	1,140	345.6	303	SE District	10,500	3,180.5	303
Grundy	1,070	312.8	292				
Hamilton	1,090	350.6	322				
Hardin	1,140	347.2	305				
Jasper	1,460	439.3	301				
				State	109,000	33,600.0	308

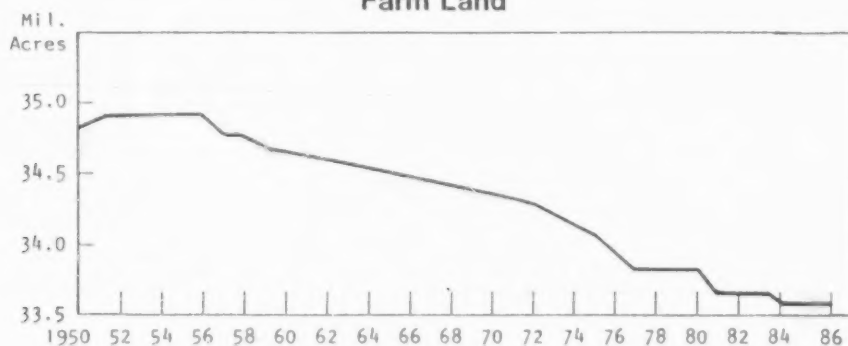
¹Preliminary.

Iowa Farms: Number, Average Size And Land In Farms¹

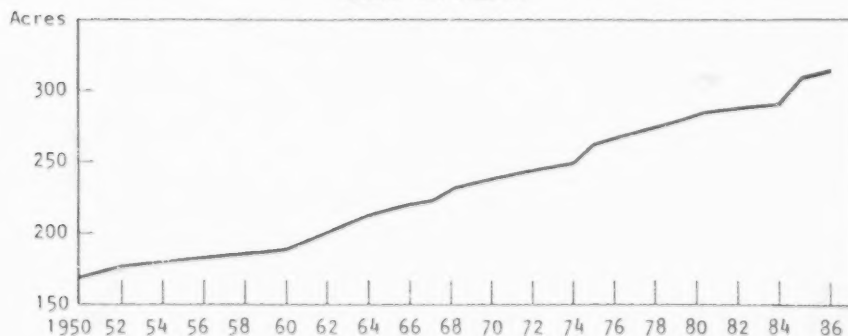
Year	Number of farms Thousands	Average size Acres	Land in farms Mil. acres	Year	Number of farms Thousands	Average size Acres	Land in farms Mil. acres
1940	213	160	34.1	1976	133	257	34.2
1945	209	165	34.5	1977	131	261	34.2
1950	206	169	34.8	1978	128	266	34.1
1955	195	179	34.9				
1960	183	190	34.7				
				1975 ²	130	262	34.1
1965	158	219	34.6	1976	127	267	33.9
1966	155	223	34.5	1977	125	270	33.8
1967	152	227	34.5	1978	123	275	33.8
1968	149	231	34.4	1979	121	279	33.8
1969	147	234	34.4				
				1980	119	284	33.8
1970	145	237	34.4	1981	118	286	33.7
1971	143	241	34.4	1982	117	288	33.7
1972	141	243	34.3	1983	115	293	33.7
1973	139	247	34.3	1984	113	297	33.6
1974	138	249	34.3				
				1985	111	303	33.6
1975	136	251	34.2	1986 ³	109	308	33.6

¹Prior to 1950, data from U.S. Census of Agriculture. ²The "New Definition" of a farm, starting in 1975, includes places which had annual sales of agricultural products of \$1,000 or more. This is the same definition used by the Department of Commerce, Bureau of the Census, for the 1978 Census of Agriculture. The "Old Definition" of a farm included places of 10 or more acres and had annual sales of \$50 or more and places of less than 10 acres that had annual sales of \$250 or more. ³Preliminary.

Farm Land



Size Of Farm



IOWA TEMPERATURES, 1986

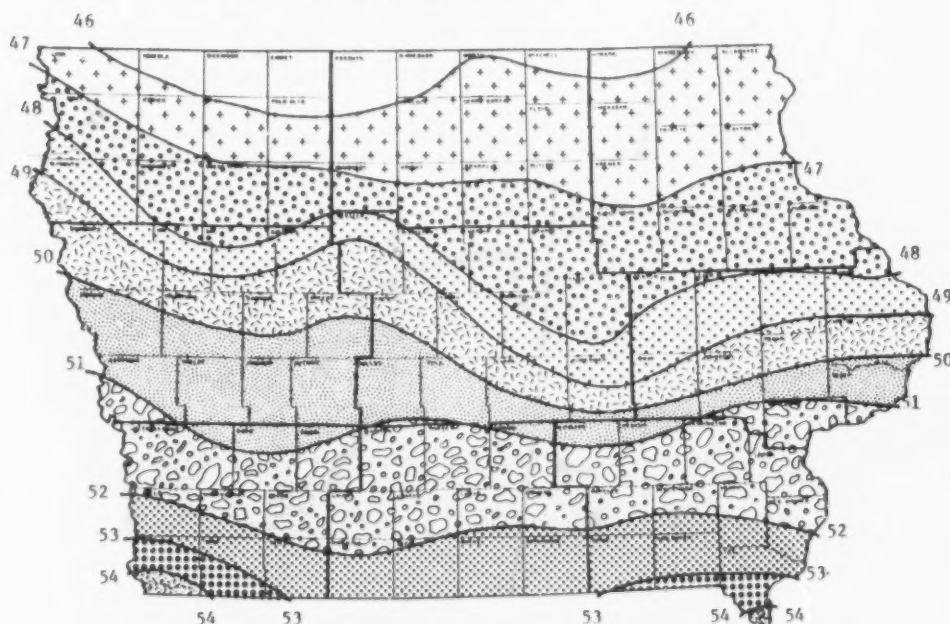
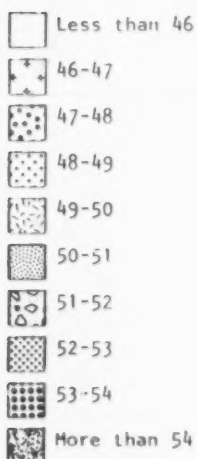
Monthly And Annual Departures From Normal, By Crop Reporting Districts

District	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
TEMPERATURE (°F)													
Northwest	21.4	18.1	37.4	49.6	60.3	71.1	74.6	66.8	62.2	50.2	29.2	24.5	47.1
North Central	19.3	17.4	37.3	50.7	60.1	70.6	74.2	66.3	63.0	50.4	29.1	23.6	46.8
Northeast	18.1	18.3	37.1	51.9	60.4	69.3	74.4	66.3	63.4	50.7	28.9	23.8	46.9
West Central	27.6	21.6	41.9	52.2	61.9	72.9	76.4	68.5	65.7	52.3	32.3	26.4	50.0
Central	22.7	19.4	39.7	52.2	60.9	71.6	75.6	67.3	65.7	51.5	32.2	26.9	48.8
East Central	22.6	21.0	40.9	54.1	62.2	71.6	76.4	67.7	66.2	52.6	34.2	29.1	49.9
Southwest	30.7	24.0	44.8	54.4	63.5	74.6	77.2	69.1	68.4	53.8	34.9	29.3	52.1
South Central	28.7	23.7	44.3	54.9	62.8	73.7	77.1	69.0	68.3	53.8	35.3	30.2	51.8
Southeast	27.6	23.8	44.1	56.2	63.6	74.1	78.0	69.3	68.8	54.9	35.6	30.8	52.2
State	24.0	20.6	40.6	52.7	61.6	72.0	75.9	67.7	65.6	52.1	32.3	27.0	49.3
1986 DEPARTURES ¹ (°F)													
Northwest	+7.7	-2.2	+6.5	+2.4	+0.8	+2.0	+1.2	-4.3	+0.4	-0.6	-5.2	+3.5	+1.0
North Central	+5.7	-2.7	+6.6	+3.7	+0.6	+1.6	+1.5	-4.2	+1.2	-0.6	-5.7	+2.6	+0.8
Northeast	+3.1	-2.6	+5.5	+4.7	+1.6	+1.1	+2.2	-3.9	+1.8	-0.3	-6.6	+1.6	+0.7
West Central	+10.3	-2.2	+7.8	+2.5	+0.7	+2.4	+1.5	-4.1	+2.0	-0.5	-4.7	+2.0	+1.5
Central	+5.8	-3.6	+6.1	+3.1	+0.1	+1.6	+1.5	-4.4	+2.5	-0.9	-4.9	+2.8	+0.8
East Central	+3.8	-3.5	+5.8	+4.2	+1.0	+1.2	+2.0	-4.7	+1.9	-0.8	-4.3	+3.4	+0.8
Southwest	+10.2	-2.8	+7.8	+2.7	+0.9	+3.0	+1.2	-4.7	+3.2	-0.6	-4.3	+2.1	+1.6
South Central	+8.3	-2.8	+7.7	+3.6	+0.7	+2.7	+1.5	-4.3	+3.2	-0.6	-4.2	+3.0	+1.5
Southeast	+6.4	-3.3	+6.8	+4.3	+0.9	+2.3	+2.0	-4.5	+2.9	-0.1	-4.8	+2.8	+1.3
State	+6.7	-2.9	+6.7	+3.4	+0.8	+1.9	+1.6	-4.4	+2.1	-0.6	-4.9	+2.7	+1.0

¹Departures are computed from 1951-80 normals.

Mean Temperatures °F

MEAN
TEMPERATURES
Degrees Fahrenheit



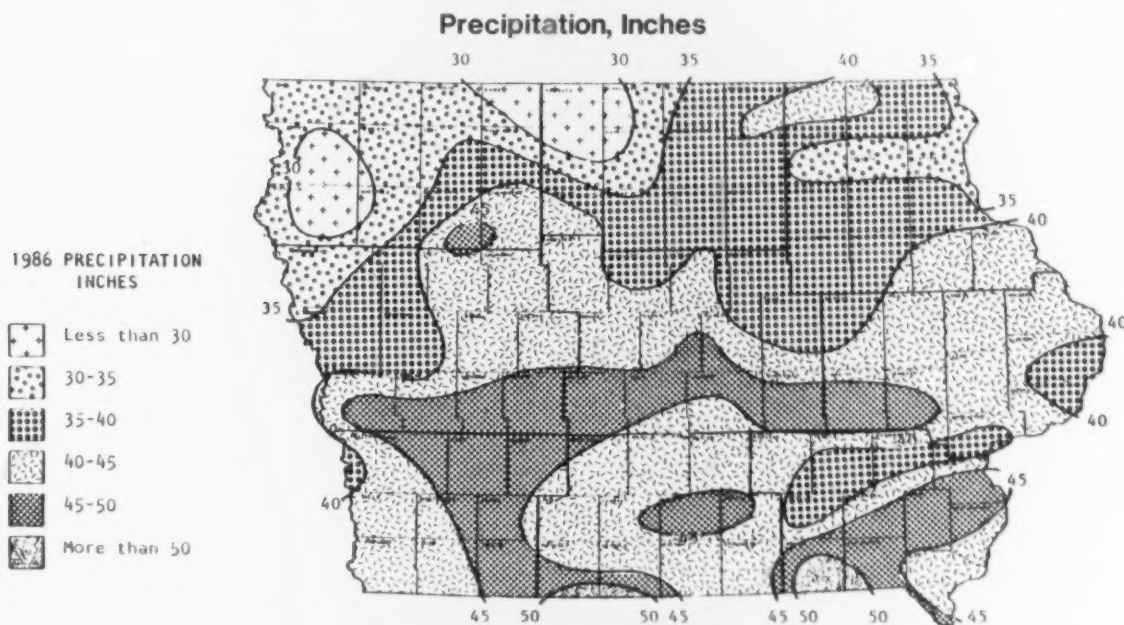
IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP

IOWA PRECIPITATION, 1986

Monthly And Annual Departures From Normal, By Crop Reporting Districts

District	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
PRECIPITATION (inches)													
Northwest	0.24	0.21	1.97	5.82	4.31	4.03	3.97	3.94	4.83	2.77	1.21	0.25	33.55
North Central	0.33	0.78	1.97	4.26	4.96	2.85	5.64	3.37	5.19	4.02	1.34	0.55	35.26
Northeast	0.69	1.74	1.83	2.98	5.29	4.76	4.01	3.95	7.59	3.38	1.73	0.67	38.62
West Central	0.04	1.12	3.12	6.73	4.66	5.68	4.34	4.09	5.12	4.42	1.04	0.62	40.98
Central	0.28	1.40	1.99	4.59	5.67	6.78	4.52	4.05	6.83	3.69	1.41	0.90	42.11
East Central	0.47	1.74	1.97	2.89	7.75	6.12	4.41	4.30	7.55	3.28	1.05	1.11	42.64
Southwest	0.00	1.51	2.45	6.83	4.87	3.70	7.59	3.47	8.29	4.19	1.06	1.51	45.47
South Central	0.02	1.20	1.98	4.40	6.58	3.24	6.17	4.54	9.04	3.53	0.89	1.04	42.63
Southeast	0.10	1.70	1.53	2.48	8.05	3.60	6.34	4.06	9.02	4.83	0.78	1.24	43.73
State	0.25	1.25	2.11	4.59	5.72	4.64	5.09	3.98	6.91	3.77	1.19	0.84	40.34
1986 DEPARTURES ¹ (inches)													
Northwest	-0.32	-0.72	0.25	3.37	0.75	-0.22	0.43	0.04	1.91	0.95	0.12	-0.52	6.04
North Central	-0.49	-0.15	-0.07	1.33	1.00	-1.78	1.43	-0.78	1.97	1.93	-0.05	-0.43	3.91
North East	-0.24	0.76	-0.30	-0.42	1.24	0.33	-0.35	-0.05	4.19	1.03	0.04	-0.55	5.68
West Central	-0.70	0.11	1.12	3.86	0.64	1.16	0.85	0.14	1.94	2.32	-0.19	-0.20	11.05
Central	-0.60	0.36	-0.16	1.35	1.59	2.04	0.63	-0.11	3.60	1.44	-0.05	-0.09	10.00
East Central	-0.77	0.63	-0.47	-0.76	3.76	1.79	0.26	0.28	4.00	0.77	-0.87	-0.46	8.16
Southwest	-0.84	0.49	0.33	3.68	0.73	-0.96	3.60	-1.06	4.50	1.75	-0.44	0.58	12.36
South Central	-1.01	0.13	-0.38	0.83	2.58	-1.31	2.29	0.33	5.08	0.92	-0.84	-0.07	8.55
Southeast	-1.23	0.60	-1.06	-1.23	4.14	-0.58	2.15	-0.03	5.17	2.05	-1.01	-0.32	8.65
State	-0.67	0.23	-0.04	1.40	1.76	0.16	1.14	-0.12	3.49	1.47	-0.32	-0.25	8.25

¹Departures are computed from 1951-80 normals.



IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP
STATE CLIMATOLOGIST

CROPS



Photo Courtesy of Pioneer Hi-Bred

1986 CROP SUMMARY

IOWA

The 1986 growing and harvest season was one of the wettest on record especially in the southern two-thirds of the state. Precipitation from April 1 through harvest ranged from 1.7 inches above normal northeast to 8 to 10 inches above normal in the southern six crop reporting districts. The above-normal precipitation started in early spring and continued throughout the crop season making all farm activities difficult, but also provided the key ingredient to a bumper corn and soybean crop.

The winter of 1985-86 was extremely hard on fall seeded wheat and hay. Winter kill for both hay and wheat ran from light to none in northern Iowa to extensive in the southeast one-quarter of the state. Winter came early in November 1985 and many farmers were caught with corn and soybeans unharvested. However, by late March unseasonably warm temperatures and dry weather had returned to Iowa allowing harvesting activities to resume across northern Iowa. Oat seeding proceeded ahead of normal and was virtually complete by the end of April. Corn planting started in late April and continued at about a normal pace until completion, despite above-normal rainfall in all crop reporting districts. The locally heavy rains caused some flooding, standing water, soil erosion, and crusting. Farmers replanted about 5 percent of their previously-planted acres. While this is not a large amount, it is still above recent years. Soybean planting began in early May, but lagged well behind normal throughout May and June.

Rainfall returned to more normal levels during June with temperatures averaging 2 to 4 degrees above normal. Harvest of the first cutting of hay was interrupted frequently by rains. Harvest ran behind normal throughout June. The heavy spring rains resulted in abundant hay quantities but only mediocre quality. Near-normal temperatures and rainfall continued into July. Several storms crossed the state with heavy rains, high winds, hail, and even tornados, causing some severe localized damage. Most of the corn and soybeans benefited from the rains that accompanied these storms. The small grain harvest progressed near last year's pace and well ahead of normal. Yields were disappointing as the abundant rains and rust problems caused considerable lodging and light test weights. Wheat yields were also hurt by the heavy winter kill in southeast Iowa, a major wheat growing area.

August weather was much like July with near-normal precipitation and slightly below normal temperatures. Corn development progressed ahead of normal while soybean progress was near normal throughout July and August. The adequate-to-surplus moisture pushed both corn and soybeans through their critical development stages with little-to-no crop stress. By the end of August, most farmers' concerns changed to where to store a record corn and soybean crop with large supplies already on hand from prior years. Heavy rains returned in September with well above-normal precipitation being recorded. Most farmers found harvesting of the last cutting of hay nearly impossible. Some didn't bother to harvest, some cut and ended up leaving it on the field, while others put up some pretty poor quality hay. The heavy rains also delayed corn and soybean harvest with activity running well behind normal at month's end.

The heavy rains continued into October, further delaying the corn and soybean harvest. Reports of

corn sprouting on the ear and mold forming on both corn and soybeans persisted throughout the fall. For the entire state, economic losses were light, with the most problems in the southeast one-third of the state.

November saw the return of more normal precipitation. Record low temperatures were recorded in mid-November. The low temperatures froze saturated soils allowing most farmers to complete harvest. By month's end, 97 percent of the corn and 99 percent of the soybeans had been harvested. December was an extremely mild month with above-normal temperatures and little precipitation. The mild weather allowed most farmers to finish harvesting their crops and get a head start on next spring's tillage. The mild weather was very beneficial to livestock producers with little-to-no livestock stress. Beef cow producers made good use of corn stalks and bean stubble during the month since there was very little snow cover to prevent grazing.

UNITED STATES

The dominant crop and weather story in 1986 was the long-term drought in the Southeast and mid-Atlantic States. It began in December of 1985 and was probably the worst in at least 111 years. Heavy rainfall during October, November, and December relieved much of the drought area. Frequent and occasional torrential rain resulted from a stalled frontal system during September 10 to October 4 over westcentral Texas to Michigan. The rains caused severe flooding, delayed fieldwork, and deteriorated crops. The entire Nation was abnormally warm the first half of the year, particularly during March, which ranked as the third warmest since 1931.

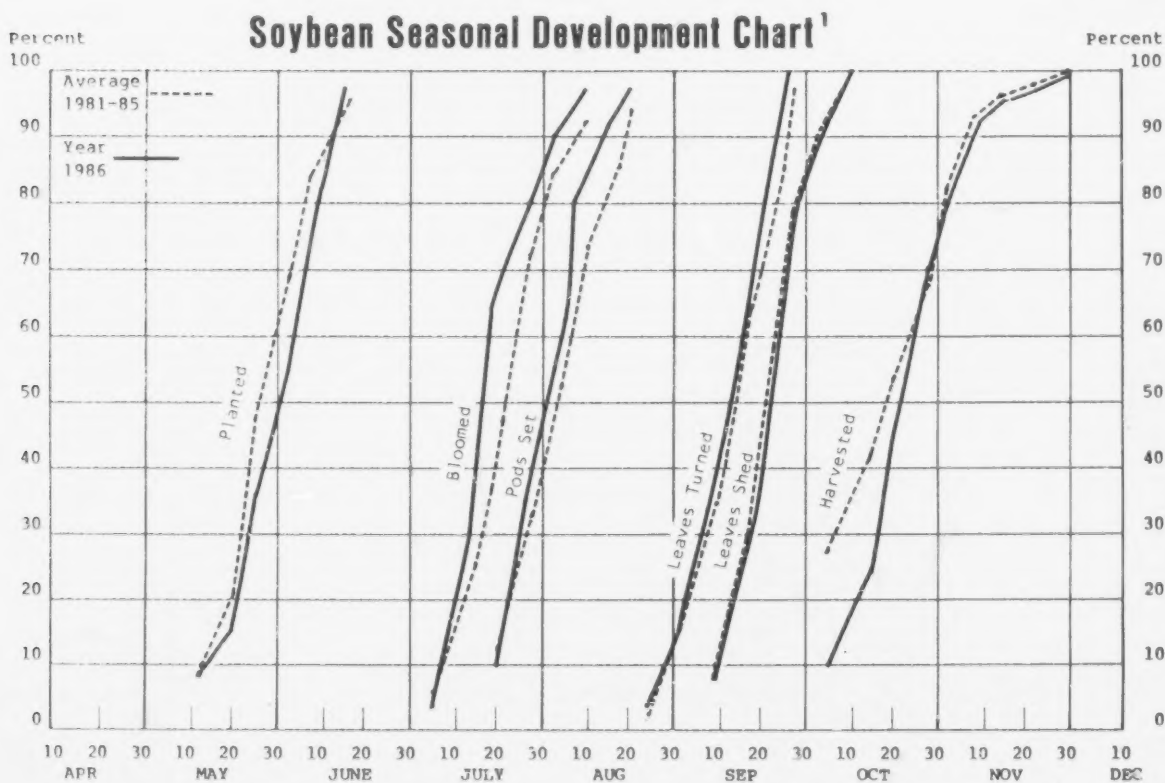
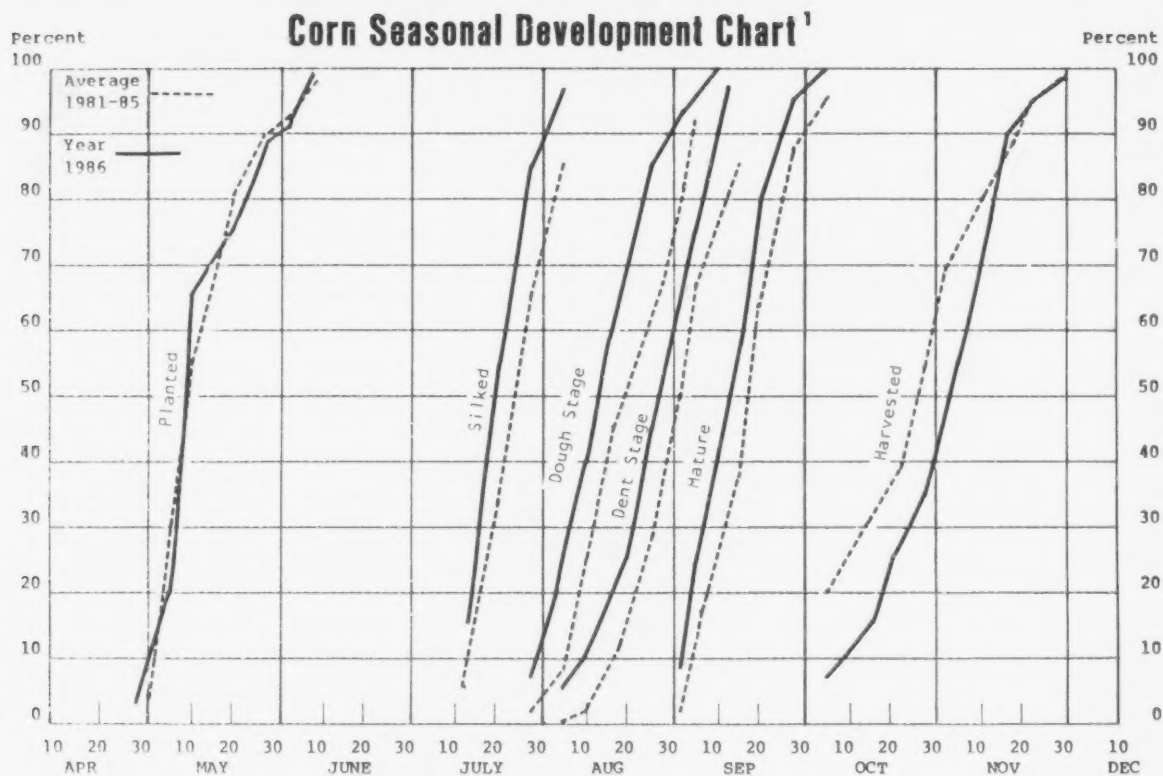
Wetness delayed land preparation and seeding in the Corn Belt, central and northern Great Plains, and Rockies during most of April. Winter-like temperatures slowed growth and germination during the month across the Rockies and northern Plains.

During May, rain slowed seeding in the northern Great Plains and northern Rocky Mountain States while dryness hampered seeding and germination in the Southeast.

Inadequate moisture and above-normal temperatures plagued the Southeast during July. Crop condition declined steadily during the month, especially when temperatures approached or exceeded century mark. The situation was completely reversed in the Corn Belt and central and northern Plains as adequate moisture pushed crop development ahead of schedule during most of July.

The extreme heat and dryness in the Southeast and in the Delta continued during the first half of August. At midmonth, rain and cooler temperatures eased crop stress across the Delta and in the Southeast. The cooler temperatures slowed crop development across the eastern half of the Nation which benefited late planted soybeans.

Area of principal crops planted or grown in 1986 totaled 328 million acres, down 14 million acres from 1985. Corn showed the largest acreage decrease--7 million acres, followed by all wheat with a 3.5 million acre decrease and sorghum with a 3 million acre decrease. Oats, peanuts, and dry beans showed small increases from last year. Harvested area of principal crops totaled 313 million acres, down 17 million acres from 1985.



¹Percent in or past designated stage.

Crop Summary: Acres Planted, Harvested, Yield, And Production, Iowa And U.S.

Crop year	Unit	Iowa				United States			
		Acreage				Acreage			
		Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
		----- 1,000 -----				----- 1,000 -----			----- 1,000 -----
CORN									
1976	.....	13,950	13,900	-	-	84,588	83,642	-	-
1982	.....	13,750	13,690	-	-	81,857	81,278	-	-
1983	.....	9,100	9,085	-	-	60,217	59,597	-	-
1984	.....	13,400	13,310	-	-	80,543	79,786	-	-
1985 ¹	.....	13,900	13,860	-	-	83,448	82,690	-	-
1986 ²	.....	12,300	12,250	-	-	76,674	75,433	-	-
CORN FOR GRAIN									
1976	Bu.	-	12,900	91.0	1,173,900	-	71,506	88.0	6,289,169
1982	Bu.	-	13,150	120.0	1,578,000	-	72,719	113.2	8,235,101
1983	Bu.	-	8,550	87.0	743,850	-	51,483	81.1	4,174,678
1984	Bu.	-	12,900	112.0	1,444,800	-	71,915	106.7	7,674,020
1985 ¹	Bu.	-	13,550	126.0	1,707,300	-	75,224	118.0	8,876,706
1986 ²	Bu.	-	12,050	135.0	1,626,750	-	69,189	119.3	8,252,834
CORN FOR SILAGE									
1976	Ton	-	970	12.5	12,125	-	11,281	10.5	118,547
1982	Ton	-	520	15.8	8,216	-	8,252	14.3	117,782
1983	Ton	-	520	12.0	6,240	-	7,814	12.3	96,347
1984	Ton	-	395	15.0	5,925	-	7,541	13.9	104,590
1985 ¹	Ton	-	300	16.0	4,800	-	7,160	14.4	102,753
1986 ²	Ton	-	200	17.0	3,400	-	6,244	14.2	88,510
SOYBEANS									
1976	Bu.	6,470	6,450	31.0	199,950	50,269	49,401	26.1	1,288,608
1982	Bu.	8,470	8,400	36.5	306,600	70,884	69,442	31.5	2,190,297
1983	Bu.	8,000	7,960	35.0	278,600	63,779	62,525	26.2	1,635,772
1984	Bu.	8,500	8,400	31.5	264,600	67,755	66,113	28.1	1,860,863
1985 ¹	Bu.	8,200	8,150	38.0	309,700	63,130	61,584	34.1	2,098,531
1986 ²	Bu.	8,800	8,750	41.5	363,125	61,480	59,427	33.8	2,007,033
OATS									
1976	Bu.	1,700	1,400	59.0	82,600	16,620	11,834	45.7	540,441
1982	Bu.	1,350	950	57.0	54,150	13,951	10,258	57.8	592,630
1983	Bu.	4,700	750	51.0	38,250	20,289	9,072	52.6	476,961
1984	Bu.	1,300	740	64.0	47,360	12,414	8,163	58.0	473,661
1985 ¹	Bu.	1,600	760	76.0	57,760	13,255	8,177	63.7	520,800
1986 ²	Bu.	2,500	630	60.0	37,800	14,708	6,870	56.0	384,546
HAY, ALL									
1976	Ton	-	2,360	2.82	6,654	-	60,377	1.99	120,125
1982	Ton	-	2,200	3.60	7,930	-	59,812	2.50	149,241
1983	Ton	-	2,100	2.81	5,905	-	59,717	2.36	140,764
1984	Ton	-	2,150	3.65	7,850	-	61,445	2.45	150,648
1985 ¹	Ton	-	2,150	3.32	7,133	-	60,423	2.46	148,601
1986 ²	Ton	-	2,400	3.33	8,000	-	62,274	2.49	155,271

¹ Revised. ² Preliminary.

Crop Summary: Acres Planted, Harvested, Yield, And Production, Iowa And U.S.

Crop year	Unit	Iowa				United States					
		Acreage				Acreage					
		Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production		
		-- 1,000 -----				1,000 -----				- 1,000 -	
<u>ALFALFA</u>											
1976	Ton	....	-	1,720	3.05	5,246	-	26,674	2.62	69,960	
1982	Ton	....	-	1,700	3.90	6,630	-	26,188	3.38	88,385	
1983	Ton	....	-	1,550	3.10	4,805	-	25,710	3.20	82,212	
1984	Ton	....	-	1,650	4.00	6,600	-	26,799	3.36	90,105	
1985 ¹	Ton	....	-	1,550	3.75	5,813	-	25,608	3.32	85,048	
1986 ²	Ton	....	-	1,600	2.80	6,080	-	26,748	3.42	91,424	
<u>SORGHUM</u>											
1976	Bu.	....	42	26	65.0	1,690	18,143	14,466	49.1	710,797	
1982	Bu.	....	30	15	59.0	885	16,028	14,137	59.1	835,083	
1983	Bu.	....	40	5	60.0	300	11,880	10,001	48.7	487,521	
1984	Bu.	....	20	12	55.0	660	17,254	15,355	56.4	866,241	
1985 ¹	Bu.	....	-³	- ³	- ³	- ³	18,285	16,782	66.8	1,120,271	
1986 ²	Bu.	....	-³	- ³	- ³	- ³	15,321	13,904	67.7	941,634	
<u>WHEAT, ALL</u>											
1976	Bu.	....	145	130	35.0	4,550	80,395	70,927	30.3	2,148,780	
1982	Bu.	....	115	100	30.0	3,000	86,232	77,937	35.5	2,764,967	
1983	Bu.	....	75	50	38.0	1,900	76,419	61,390	39.4	2,419,824	
1984	Bu.	....	110	100	36.0	3,600	79,213	66,928	38.8	2,594,777	
1985 ¹	Bu.	....	120	112	48.0	5,376	75,575	64,734	37.5	2,425,105	
1986 ²	Bu.	....	90	60	28.0	1,680	72,033	60,688	34.4	2,086,780	
<u>RYE</u>											
1976	Bu.	....	24	5	28.0	140	2,604	719	20.7	14,891	
1982	Bu.	....	20	4	28.0	112	2,533	677	28.9	19,533	
1983	Bu.	....	21	3	31.0	93	2,707	896	30.3	27,116	
1984	Bu.	....	30	5	34.0	170	2,971	981	33.1	32,463	
1985 ¹	Bu.	....	25	6	36.0	216	2,563	717	28.8	20,637	
1986 ²	Bu.	....	20	4	30.0	120	2,384	677	28.8	19,498	
<u>POTATOES</u>											
1976	Cwt.	....	2.6	2.5	185	463	1,404.2	1,371.4	261	357,666	
1982	Cwt.	....	1.6	1.5	205	308	1,302.8	1,266.9	280	355,131	
1983	Cwt.	....	1.7	1.6	110	176	1,272.1	1,242.5	269	333,911	
1984	Cwt.	....	1.7	1.4	150	210	1,336.9	1,301.0	279	362,612	
1985 ¹	Cwt.	....	1.6	1.6	206	330	1,409.1	1,361.1	299	407,109	
1986 ²	Cwt.	....	1.7	1.7	195	332	1,253.2	1,215.3	292	354,468	
<u>APPLES</u>											
1976	Mil. lbs.		-	-	-	6.0	-	-	-	6,472.2	
1982	Mil. lbs.		-	-	-	11.5	-	-	-	8,122.0	
1983	Mil. lbs.		-	-	-	12.5	-	-	-	8,373.0	
1984	Mil. lbs.		-	-	-	5.0	-	-	-	8,333.0	
1985 ¹	Mil. lbs.		-	-	-	13.5	-	-	-	7,921.5	
1986 ²	Mil. lbs.		-	-	-	5.5	-	-	-	7,914.5	

¹ Revised. ² Preliminary. ³ Discontinued.

State Rankings: Harvested Acres And Crop Production
Iowa And 10 Leading States, 1986

Item	1	2	3	4	5	6	7	8	9	10	Iowa		
											Rank	% of U.S.	
Harvested Acres													
Corn for grain	<u>Iowa</u>	Ill.	Neb.	Minn.	Ind.	Ohio	Wis.	S.D.	Mich.	Mo.	1	17	
Corn for silage	Wisc.	N.Y.	Minn.	Pa.	S.D.	Mich.	N.D.	Va.	Cal.	<u>Iowa</u>	10	3	
Soybeans	Ill.	<u>Iowa</u>	Mo.	Minn.	Ind.	Ohio	Ark.	Miss.	Neb.	La.	2	15	
Oats	S.D.	Minn.	Wisc.	N.D.	<u>Iowa</u>	Neb.	Mich.	Pa.	Ill.	Texas	5	9	
All wheat	Kans.	N.D.	Okla.	Texas	Mont.	S.D.	Colo.	Minn.	Wash.	Neb.	38	- ¹	
Winter wheat	Kans.	Okla.	Texas	Colo.	Wash.	Neb.	Mont.	S.D.	Ohio	Oreg.	37	- ¹	
Sorghum	Kans.	Texas	Neb.	Mo.	Ark.	Okla.	La.	S.D.	Colo.	Miss.	- ⁴	- ⁴	
Rye	N.D.	S.D.	Ga.	Minn.	Neb.	Okla.	N.C.	Mich.	S.C.	Pa.	22	1	
Alfalfa hay & mixtures	Wisc.	S.D.	Minn.	<u>Iowa</u>	N.D.	Mich.	Neb.	Mont.	Idaho	Cal.	4	6	
All other hay	Texas	Mo.	S.D.	Neb.	Kans.	Okla.	N.D.	Ky.	N.Y.	Tenn.	16	2	
All hay	S.D.	Wisc.	Mo.	Neb.	Texas	N.D.	Minn.	Kans.	<u>Iowa</u>	Mont.	9	4	
Potatoes	Idaho	N.D.	Wash.	Maine	Minn.	Colo.	Wisc.	Oreg.	Cal.	Mich.	33	- ¹	
Total acres of principal crops harvested ²	<u>Iowa</u>	Ill.	Kans.	N.D.	Minn.	Texas	Neb.	S.D.	Mo.	Ind.	1	8	
Production													
Corn for grain	<u>Iowa</u>	Ill.	Neb.	Minn.	Ind.	Ohio	Wisc.	Mo.	Mich.	S.D.	1	20	
Corn for silage	Wisc.	N.Y.	Pa.	Minn.	Cal.	Mich.	<u>Iowa</u>	Neb.	Va.	S.D.	7	4	
Soybeans for beans	Ill.	<u>Iowa</u>	Mo.	Minn.	Ind.	Ohio	Neb.	Ark.	Kans.	Miss.	2	18	
Oats	Wisc.	S.D.	Minn.	N.D.	<u>Iowa</u>	Neb.	Mich.	Pa.	Ill.	N.Y.	5	10	
All wheat	Kans.	N.D.	Okla.	Mont.	Texas	Wash.	S.D.	Minn.	Colo.	Idaho	39	- ¹	
Winter wheat	Kans.	Okla.	Texas	Wash.	Colo.	Neb.	Mont.	S.D.	Oreg.	Idaho	38	- ¹	
Sorghum grain	Kans.	Texas	Neb.	Mo.	Ark.	La.	Okla.	Ill.	Miss.	S.D.	- ⁴	- ⁴	
Rye	S.D.	N.D.	Ga.	Minn.	Neb.	Okla.	Mich.	Pa.	N.C.	N.Y.	23	1	
Alfalfa hay & mixture	Wisc.	Minn.	Cal.	S.D.	<u>Iowa</u>	Mich.	Neb.	Idaho	Kans.	N.D.	5	7	
All other hay	Texas	Mo.	S.D.	Kans.	Okla.	Ky.	N.Y.	Neb.	Pa.	N.D.	12	3	
All hay	Wisc.	Minn.	S.D.	Cal.	<u>Iowa</u>	Texas	Neb.	Kans.	Mo.	Mich.	5	5	
Potatoes	Idaho	Wash.	Oreg.	N.D.	Maine	Colo.	Wisc.	Cal.	Minn.	Mich.	33	- ¹	
Apples	Wash.	N.Y.	Mich.	Pa.	Cal.	Va.	W.Va.	Oreg.	N.J.	N.C.	32	- ¹	
Capacity of off-farm storage facilities ³	Ill.	<u>Iowa</u>	Kans.	Texas	Neb.	Minn.	Ind.	Ohio	Mo.	Okla.	2	12	

¹Less than 1/2 of 1 percent. ²Crop acres included are: Corn, sorghum, oats, barley, wheat, rice, rye, soybeans, flaxseed, peanuts, sunflower, cotton, all hay, dry beans, potatoes, sweet potatoes, tobacco, sugarcane, and sugar beets. ³December 1, 1986. ⁴Iowa discontinued estimates in 1985.

Crops: Record Highs And Lows For Acreage, Yield, And Production Of Iowa Crops

Item	Unit	Record high		Record low		Year record started
		Quantity	Year ¹	Quantity	Year ¹	
<u>Corn for grain</u>						1919
Acres harvested	Thou. acres	13,850	1981	5,701	1934	
Yield	Bushels	135.0	1986	20.0	1936	
Production	Mil. bu.	1,731.25	1981	148.90	1936	
<u>Corn for silage</u>						1919
Acres harvested	Thou. acres	970	1976	134	1942	
Yield	Tons	17.5	1979	3.5	1936	
Production	Mil. tons	12.13	1976	1.41	1942	
<u>Grain sorghum</u>						1954
Acres harvested	Thou. acres	308	1957	5	1983	
Yield	Bushels	87.0	1971	35.0	1955	
Production	Mil. bu.	13.86	1957	.21	1955	
<u>Hay, all</u>						1909
Acres harvested	Thou. acres	4,869	1909	2,100	1983	
Yield	Tons	3.75	1979	.79	1911	
Production	Mil. tons	8.75	1979	3.05	1934	
<u>Hay, alfalfa</u>						1919
Acres harvested	Thou. acres	2,580	1957	172	1919	
Yield	Tons	4.10	1979	1.49	1934	
Production	Mil. tons	7.42	1979	.44	1919	
<u>Oats</u>						1866
Acres harvested	Thou. acres	6,520	1950	450	1866	
Yield	Bushels	76.0	1985	13.0	1934	
Production	Mil. bu.	273.87	1948	15.53	1866	
<u>Rye</u>						1866
Acres harvested	Thou. acres	207	1937	3	1983	
Yield	Bushels	36.0	1985	7.9	1934	
Production	Mil. bu.	4.04	1937	.07	1953	
<u>Soybeans, for beans</u>						1924
Acres harvested	Thou. acres	8,750	1986	7	1925	
Yield	Bushels	41.5	1986	11.5	1934	
Production	Mil. bu.	363.13	1986	.10	1925	
<u>Wheat</u>						1866
Acres harvested	Thou. acres	3,420	1874	33	1972	
Yield	Bushels	48.0	1985	6.0	1881	
Production	Mil. bu.	40.43	1873	.84	1965	

¹In case of a tie, the most recent year was used.

Grain Stocks (Late Crops): Storage On Farms And Total, By Quarter, Iowa And U.S.

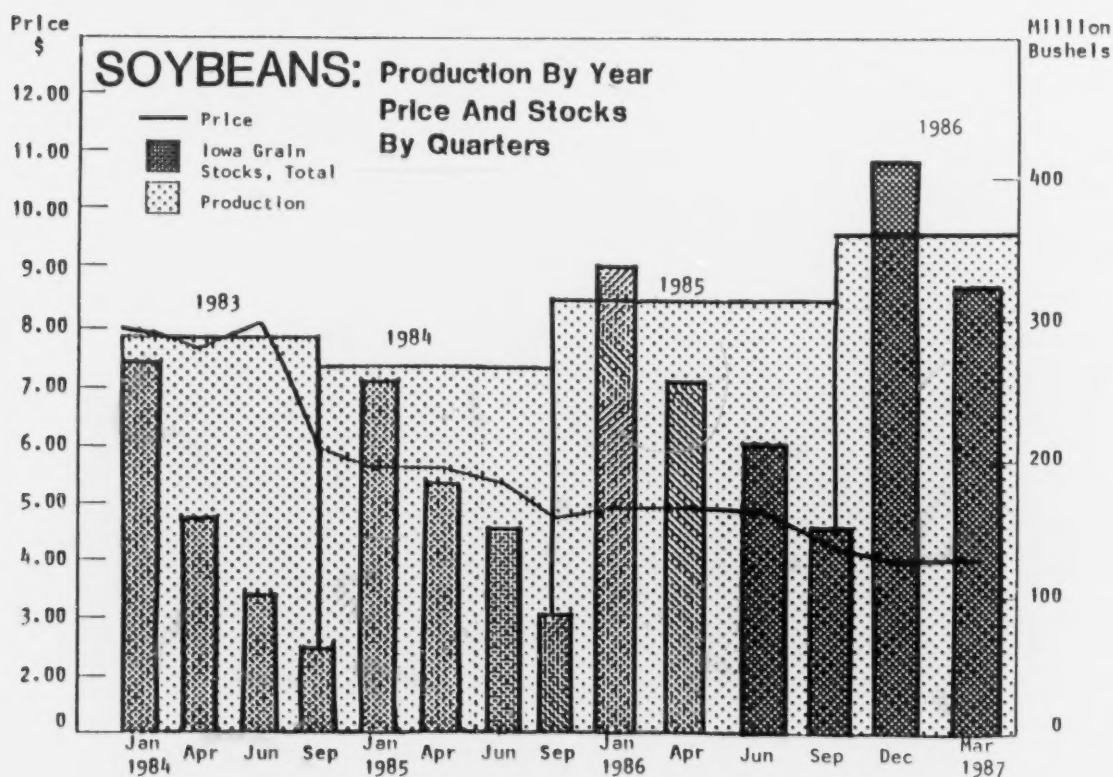
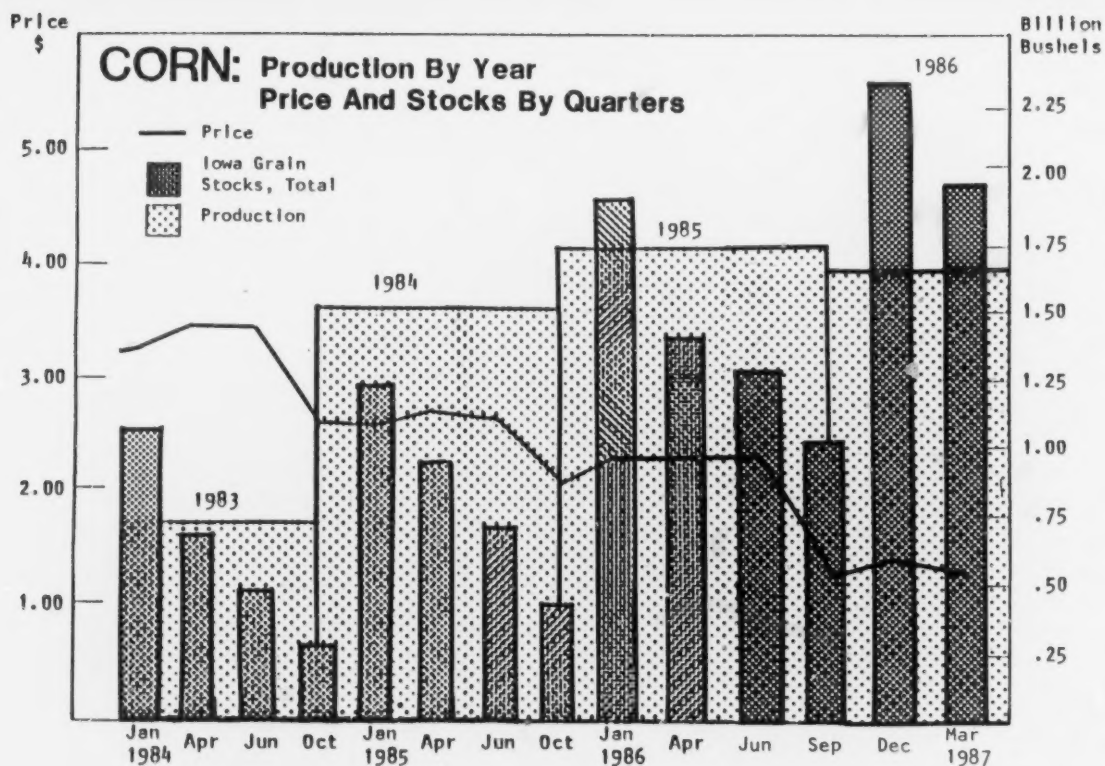
Crop year	Pro- duction	Cal. year	Marketing Season							
			January 1 ¹		April 1 ¹		June 1 ¹		End of season ¹	
			On farm	Total	On farm	Total	On farm	Total	On farm	Total
1000/bu.			Thousand bushels							
IOWA			CORN							
1976	1,173,900	1977	751,296	1,050,091	563,472	791,259	422,604	586,887	152,607	204,358
1982	1,578,000	1983	1,372,860	1,852,541	1,136,160	1,552,344	820,560	1,262,777	347,160	769,254
1983	743,850	1984	691,781	1,084,083	468,626	738,343	304,979	500,145	81,824	187,965
1984	1,444,800	1985	895,776	1,205,696	693,504	937,532	520,128	717,667	173,376	424,551
1985	1,707,300	1986	1,246,329	1,813,450	956,088	1,445,764	819,504	1,280,883	563,000	1,054,474
1986 ³	1,626,750	1987 ³	1,600,000	2,345,203	1,250,000	1,967,885				
			SOYBEANS							
1976	199,950	1977	109,973	218,283	59,985	142,012	25,994	71,511	9,998	29,960
1982	306,600	1983	190,092	329,538	144,102	240,587	107,310	182,975	30,660	89,648
1983	278,600	1984	130,942	247,887	89,152	165,653	44,576	102,494	19,502	46,046
1984	264,600	1985	132,300	236,926	103,194	181,437	79,380	140,785	34,398	82,291
1985	309,700	1986	164,141	322,273	133,171	258,453	108,395	214,931	52,000	158,380
1986 ³	363,125	1987 ³	215,000	412,180	148,000	321,588				
UNITED STATES			CORN							
1976	6,289,169	1977	3,357,995	4,902,018	2,141,623	3,300,952	1,582,768	2,370,031	447,846	885,865
1982	8,235,101	1983	5,935,986	8,204,692	4,241,717	6,197,986	3,093,509	4,923,884	1,510,394	3,119,937
1983	4,174,678	1984	3,079,963	4,912,867	1,933,652	3,251,210	1,213,068	2,145,075	347,853	723,223
1984	7,674,020	1985	4,304,054	5,864,225	2,833,806	3,965,542	2,007,823	2,835,524	678,947	1,380,727
1985 ²	8,876,706	1986	5,528,606	7,894,768	3,981,992	5,947,079	3,143,067	4,990,037	2,049,410	4,039,522
1986 ³	8,252,834	1987 ³	6,795,500	10,304,105	5,024,000	8,246,849				
			SOYBEANS							
1976	1,288,608	1977	473,405	1,032,450	227,794	618,008	92,400	335,735	32,756	102,924
1982	2,190,297	1983	1,008,139	1,762,699	643,134	1,147,663	424,658	790,624	118,574	344,634
1983	1,635,772	1984	620,171	1,290,555	374,237	790,002	179,601	471,686	67,912	175,696
1984	1,860,863	1985	766,335	1,422,059	487,369	896,001	326,596	608,417	143,221	316,057
1985 ²	2,098,531	1986	927,395	1,760,279	599,246	1,175,984	411,740	848,926	167,090	536,365
1986 ³	2,007,033	1987 ³	1,086,000	1,981,437	634,900	1,384,208				

¹Starting on September 1, 1986, all stocks surveys were changed to four quarterly periods (Dec. 1, March 1, June 1, and Sept. 1). Quantities of grain stored reflect these new survey periods starting with the 1986 end of season estimate. Prior to 1986, the end of season for corn was Oct. 1 and Sept. 1 for soybeans. ²Revised. ³Preliminary.

Grain Stocks (Early Crops): Storage On Farm And Total, By Quarter, Iowa And U.S.

Crop year	Production	October 1 of crop year		Year following the crop year					
				January 1		April 1		June 1	
		On farm	Total	On farm	Total	On farm	Total	On farm	Total
Thousand bushels									
IOWA		OATS							
1976	82,600	55,342	80,202	48,734	64,511	30,562	39,676	14,868	21,747
1981	59,520	37,498	53,546	29,165	39,047	20,237	26,064	14,285	18,820
1982	54,150	37,364	56,227	30,324	43,960	22,202	32,282	15,704	22,823
1983	38,250	33,278	45,573	24,098	32,030	17,213	24,316	12,240	16,949
1984	47,360	35,046	50,276	23,680	35,165	17,997	26,531	12,314	17,671
1985	57,760	38,122	59,307	27,147	41,138	-- ²	-- ²	13,285	19,411
UNITED STATES									
1976	540,441	417,306	529,751	337,132	410,609	210,649	258,108	128,692	164,295
1981	509,529	384,681	458,426	314,132	365,233	199,279	235,451	127,119	151,932
1982	592,630	462,795	558,082	378,834	453,296	259,043	319,015	181,178	219,828
1983	476,961	425,968	505,058	322,352	378,756	226,715	270,015	151,247	181,062
1984	473,661	398,558	475,098	300,332	358,059	211,676	256,352	146,450	179,878
1985 ¹	520,800	417,387	512,380	311,207	379,633	-- ²	-- ²	147,181	183,715

¹Revised. ²Quarterly Oat Stock estimates discontinued, only end-of-season oat stocks are now available June 1.



Iowa Corn: Acreage, Yield, And Production, By County, 1985¹

County and district	Planted for all purposes	Harvested for grain	Yield per acre	Pro-duction	County and district	Planted for all purposes	Harvested for grain	Yield per acre	Pro-duction
	Acres		Bu.	000/bu.		Acres		Bu.	000/bu.
Buena Vista	164,000	160,800	132.4	21,282	Marshall	151,000	149,300	131.7	19,666
Cherokee	150,000	146,100	126.4	18,464	Polk	100,000	98,200	116.6	11,450
Clay	140,000	132,700	134.0	17,786	Poweshiek	126,000	124,500	120.1	14,949
Dickinson	100,000	95,700	123.9	11,859	Story	171,000	168,400	127.1	21,405
Emmet	131,000	127,400	133.1	16,959	Tama	199,000	196,500	123.6	24,294
Lyon	163,000	155,400	119.9	18,629	Webster	163,000	161,700	135.2	21,859
O'Brien	166,000	162,400	131.7	21,396	C District	1,858,000	1,834,200	128.2	235,056
Osceola	112,000	110,000	125.4	13,797	Benton	202,000	198,300	113.1	22,419
Palo Alto	185,000	182,000	132.3	24,084	Cedar	167,000	164,100	134.7	22,097
Plymouth	248,000	238,600	121.8	29,053	Clinton	230,000	223,900	116.1	26,002
Pocahontas	172,000	168,200	146.4	24,621	Iowa	151,000	149,200	128.3	19,135
Sioux	245,000	232,500	130.0	30,219	Jackson	119,000	110,400	105.0	11,587
NW District	1,976,000	1,911,800	129.8	248,149	Johnson	148,000	145,300	114.9	16,691
Butler	182,000	179,500	132.5	23,788	Jones	171,000	161,500	125.3	20,233
Cerro Gordo	174,000	172,600	125.8	21,714	Linn	154,000	151,000	114.7	17,314
Floyd	143,000	140,000	131.2	18,366	Muscatine	131,000	127,700	120.4	15,372
Franklin	175,000	173,300	140.3	24,310	Scott	139,000	135,600	129.1	17,504
Hancock	175,000	172,300	139.4	24,026	EC District	1,612,000	1,567,000	120.2	188,354
Humboldt	126,000	124,200	125.0	15,522	Adair	116,000	111,800	127.9	14,294
Kossuth	265,000	260,300	142.4	37,065	Adams	66,000	64,400	126.1	8,124
Mitchell	129,000	123,700	123.0	15,215	Cass	125,000	121,600	131.9	16,042
Winnebago	119,000	118,100	130.5	15,409	Fremont	120,000	118,700	122.1	14,494
Worth	118,000	116,900	133.9	15,656	Mills	103,000	101,600	128.6	13,063
Wright	164,000	162,600	133.2	21,656	Montgomery	84,000	83,100	119.0	9,888
NC District	1,770,000	1,743,500	133.5	232,727	Page	103,000	100,900	118.3	11,932
Allamakee	88,000	81,100	114.6	9,295	Pottawattamie	260,000	255,900	135.5	34,675
Black Hawk	166,000	163,200	130.3	21,268	Taylor	91,000	89,800	122.1	10,969
Bremer	123,000	119,500	137.7	16,458	SW District	1,068,000	1,047,800	127.4	133,481
Buchanan	192,000	188,700	117.0	22,075	Appanoose	43,000	42,000	119.9	5,035
Chickasaw	144,000	140,600	115.0	16,169	Clarke	50,000	48,000	130.4	6,260
Clayton	179,000	170,000	120.8	20,538	Decatur	67,000	64,700	120.4	7,790
Delaware	193,000	183,000	114.0	20,861	Lucas	48,000	46,300	115.4	5,341
Dubuque	134,000	121,200	120.1	14,561	Madison	106,000	104,000	117.9	12,265
Fayette	196,000	187,000	122.5	22,906	Marion	94,000	92,500	129.9	12,020
Howard	120,000	115,800	112.6	13,038	Monroe	45,000	43,200	114.5	4,947
Winnesiek	155,000	139,900	112.3	15,707	Ringgold	73,000	70,000	122.6	8,581
NE District	1,690,000	1,610,000	119.8	192,876	Union	69,000	67,700	125.4	8,488
Audubon	128,000	125,800	130.6	16,432	Warren	107,000	105,300	130.1	13,697
Calhoun	178,000	176,000	127.1	22,376	Wayne	88,000	85,500	119.4	10,212
Carroll	166,000	156,700	129.0	20,213	SC District	790,000	769,200	123.0	94,636
Crawford	176,000	172,900	116.9	20,206	Davis	61,000	59,700	125.3	7,479
Greene	138,000	136,800	132.0	18,057	Des Moines	104,000	102,200	138.0	14,104
Guthrie	136,000	133,200	122.4	16,301	Henry	98,000	97,100	131.2	12,738
Harrison	176,000	174,400	125.2	21,838	Jefferson	98,000	95,700	120.2	11,500
Ida	139,000	136,800	124.7	17,063	Keokuk	135,000	133,600	123.4	16,484
Monona	184,000	177,800	108.7	19,331	Lee	108,000	105,900	136.5	14,457
Sac	156,000	153,200	129.7	19,863	Louisa	103,000	102,000	120.6	12,305
Shelby	197,000	193,900	133.7	25,929	Mahaska	134,000	126,100	130.9	16,506
Woodbury	223,000	215,500	110.8	23,868	Van Buren	72,000	69,800	116.8	8,152
WC District	1,997,000	1,953,000	123.6	241,477	Wapello	58,000	56,500	114.7	6,478
Boone	136,000	134,400	125.2	16,832	Washington	168,000	164,900	123.4	20,341
Dallas	147,000	145,800	113.6	16,558	SE District	1,139,000	1,113,500	126.2	140,544
Grundy	158,000	155,300	127.9	19,864					
Hamilton	147,000	145,800	140.1	20,430	State	13,900,000		126.0	
Hardin	178,000	174,300	146.0	25,450			13,550,000		1,707,300
Jasper	182,000	180,000	123.9	22,299					

¹Revised.

Iowa Corn: Acreage, Yield, And Production, By County, 1986¹

County and district	Planted for all purposes	Harvested for grain	Yield per acre	Pro-duction	County and district	Planted for all purposes	Harvested for grain	Yield per acre	Pro-duction
	Acres		Bu.	000/bu.		Acres		Bu.	000/bu.
Buena Vista	147,000	144,700	131.6	19,036	Marshall	144,000	142,100	133.7	18,992
Cherokee	126,000	122,900	134.8	16,564	Polk	88,000	86,200	126.0	10,859
Clay	122,000	119,300	136.9	16,330	Poweshiek	114,000	112,400	121.9	13,698
Dickinson	84,000	81,900	138.5	11,345	Story	151,000	147,600	135.6	20,016
Emmet	111,000	109,600	147.9	16,206	Tama	172,000	170,500	131.7	22,452
Lyon	146,000	140,400	134.3	18,856	Webster	151,000	150,100	143.3	21,510
O'Brien	148,000	144,700	145.7	21,079	C District	1,666,000	1,644,600	134.6	221,292
Osceola	96,000	95,100	140.8	13,394	Benton	180,000	177,000	134.3	23,779
Palo Alto	157,000	155,800	140.2	21,846	Cedar	147,000	145,000	144.0	20,882
Plymouth	218,000	209,800	121.4	25,466	Clinton	196,000	190,400	135.1	25,722
Pocahontas	152,000	149,800	134.9	20,205	Iowa	140,000	137,900	130.6	18,008
Sioux	214,000	207,000	130.6	27,044	Jackson	107,000	100,700	129.8	13,067
NW District	1,721,000	1,681,000	135.3	227,371	Johnson	127,000	125,500	127.5	15,995
Butler	158,000	155,200	134.2	20,834	Jones	150,000	144,100	145.3	20,941
Cerro Gordo	148,000	146,900	144.7	21,262	Linn	137,000	134,200	136.8	18,356
Floyd	128,000	124,900	140.9	17,597	Muscatine	114,000	110,700	134.0	14,837
Franklin	149,000	148,100	148.1	21,936	Scott	117,000	114,500	144.6	16,554
Hancock	152,000	151,000	149.4	22,564	EC District	1,415,000	1,380,000	136.3	188,141
Humboldt	111,000	109,900	140.2	15,413	Adair	105,000	101,900	128.3	13,071
Kossuth	239,000	237,500	152.6	36,246	Adams	59,000	57,900	119.6	6,923
Mitchell	115,000	111,600	144.2	16,098	Cass	116,000	114,200	129.8	14,827
Winnebago	112,000	110,800	142.6	15,795	Fremont	104,000	103,100	143.2	14,759
Worth	104,000	102,700	141.6	14,540	Mills	94,000	93,400	130.2	12,163
Wright	140,000	139,100	150.4	20,927	Montgomery	80,000	79,200	129.1	10,223
NC District	1,556,000	1,537,700	145.2	223,212	Page	95,000	93,300	132.6	12,370
Allamakee	80,000	74,000	138.7	10,267	Pottawattamie	231,000	228,700	136.8	31,280
Black Hawk	147,000	144,500	144.9	20,935	Taylor	76,000	75,500	115.3	8,708
Bremer	111,000	107,900	142.5	15,381	SW District	960,000	947,200	131.3	124,324
Buchanan	167,000	164,200	145.6	23,915	Appanoose	36,000	35,400	124.2	4,397
Chickasaw	132,000	127,800	136.3	17,418	Clarke	47,000	44,700	100.5	4,493
Clayton	164,000	157,400	146.6	23,080	Decatur	60,000	57,800	117.4	6,786
Delaware	166,000	160,700	150.4	24,168	Lucas	45,000	42,400	117.8	4,995
Dubuque	122,000	114,100	147.5	16,835	Madison	96,000	94,700	128.3	12,151
Fayette	175,000	169,700	143.6	24,371	Marion	86,000	84,700	129.8	10,995
Howard	107,000	104,700	132.9	13,915	Monroe	42,000	39,800	112.8	4,491
Winneshiek	139,000	129,000	139.3	17,974	Ringgold	65,000	63,100	111.3	7,026
NE District	1,510,000	1,454,000	143.2	208,259	Union	61,000	60,200	108.5	6,530
Audubon	113,000	110,900	126.1	13,987	Warren	98,000	96,900	136.9	13,262
Calhoun	156,000	154,500	134.6	20,796	Wayne	74,000	72,500	117.5	8,521
Carroll	147,000	142,000	138.5	19,666	SC District	710,000	692,200	120.8	83,647
Crawford	151,000	149,000	126.9	18,905	Davis	55,000	53,500	108.4	5,798
Greene	127,000	125,900	138.4	17,427	Des Moines	93,000	91,600	147.1	13,475
Guthrie	119,000	117,600	126.0	14,814	Henry	87,000	86,200	131.4	11,328
Harrison	150,000	148,800	128.6	19,137	Jefferson	84,000	82,300	133.3	10,967
Ida	119,000	117,400	127.9	15,017	Keokuk	126,000	124,800	132.8	16,568
Monona	164,000	158,700	118.9	18,862	Lee	94,000	92,600	131.8	12,207
Sac	140,000	137,300	132.1	18,132	Louisa	91,000	90,000	133.9	12,049
Shelby	174,000	171,000	128.1	21,898	Mahaska	115,000	110,700	126.6	14,019
Woodbury	202,000	198,900	114.2	22,709	Van Buren	60,000	57,900	109.8	6,360
WC District	1,762,000	1,732,000	127.8	221,350	Wapello	52,000	50,400	130.5	6,575
Boone	122,000	120,700	144.9	17,495	Washington	143,000	141,300	140.2	19,808
Dallas	127,000	125,900	132.1	16,627	SE District	1,000,000	981,300	131.6	129,154
Grundy	145,000	142,300	125.2	17,812					
Hamilton	135,000	134,200	146.8	19,706	State	12,300,000		135.0	
Hardin	159,000	157,400	142.1	22,359			12,050,000		1,626,750
Jasper	158,000	155,200	127.4	19,766					

¹Preliminary.

Iowa Corn Silage: Acreage, Yield, And Production, By County, 1985¹

County and district	Planted for all purposes	Harvested for silage	Yield per acre	Pro-duction	County and district	Planted for all purposes	Harvested for silage	Yield per acre	Pro-duction
	----- Acres -----		Tons	000/ton		----- Acres -----		Tons	000/ton
Buena Vista	164,000	2,600	15.4	40	Marshall	151,000	1,500	19.3	29
Cherokee	150,000	3,500	17.1	60	Polk	100,000	1,200	20.0	24
Clay	140,000	6,500	19.7	128	Poweshiek	126,000	1,200	20.8	25
Dickinson	100,000	4,100	14.9	61	Story	171,000	2,200	17.3	38
Emmet	131,000	3,200	14.4	46	Tama	199,000	1,700	15.3	26
Lyon	163,000	6,700	15.7	105	Webster	163,000	900	14.4	13
O'Brien	166,000	2,800	17.1	48	C District	1,858,000	18,300	18.3	324
Osceola	112,000	1,700	16.5	28	Benton	202,000	3,200	15.0	48
Palo Alto	185,000	1,400	17.1	24	Cedar	167,000	2,200	17.3	38
Plymouth	248,000	8,400	14.5	122	Clinton	230,000	5,300	16.0	85
Pocahontas	172,000	1,300	15.4	20	Iowa	151,000	1,300	15.4	20
Sioux	245,000	11,800	17.1	202	Jackson	119,000	8,100	13.8	112
NW District	1,976,000	54,000	16.4	884	Johnson	148,000	2,100	13.8	29
Butler	182,000	1,300	20.0	26	Jones	171,000	8,900	18.3	163
Cerro Gordo	174,000	900	18.9	17	Linn	154,000	2,700	14.1	38
Floyd	143,000	2,700	15.6	42	Muscatine	131,000	2,900	15.9	46
Franklin	175,000	1,200	15.0	18	Scott	139,000	2,300	18.7	43
Hancock	175,000	2,200	19.1	42	EC District	1,612,000	39,000	15.9	622
Humboldt	126,000	1,500	17.3	26	Adair	116,000	4,000	15.0	60
Kossuth	265,000	3,700	17.6	65	Adams	66,000	1,500	17.3	26
Mitchell	129,000	5,000	16.6	83	Cass	125,000	3,100	15.5	48
Winnebago	119,000	700	17.1	12	Frederick	120,000	1,000	16.0	16
Worth	118,000	900	15.6	14	Mills	103,000	1,100	16.4	18
Wright	164,000	900	20.0	18	Montgomery	84,000	700	15.7	11
NC District	1,770,000	21,000	17.3	363	Page	103,000	1,900	15.8	30
Allamakee	98,000	6,600	15.3	101	Pottawattamie	260,000	3,400	18.2	62
Black Hawk	166,000	2,400	18.3	44	Taylor	91,000	1,000	17.0	17
Bremer	123,000	3,100	20.0	62	SW District	1,068,000	17,700	16.3	286
Buchanan	192,000	2,800	16.4	46	Appanoose	43,000	1,000	14.0	14
Chickasaw	144,000	2,300	15.2	35	Clarke	50,000	2,000	12.0	24
Clayton	179,000	8,000	16.0	128	Decatur	67,000	2,100	15.2	32
Delaware	193,000	9,500	15.1	143	Lucas	48,000	1,700	12.4	21
Dubuque	134,000	11,400	14.8	169	Madison	106,000	1,600	15.6	25
Fayette	196,000	8,100	16.2	131	Marion	94,000	1,300	16.2	21
Howard	120,000	3,900	14.4	56	Monroe	45,000	1,600	16.9	27
Winneshek	155,000	13,900	14.2	197	Ringgold	73,000	2,800	17.5	49
NE District	1,690,000	72,000	15.4	1,112	Union	69,000	1,200	13.3	16
Audubon	128,000	1,900	16.3	31	Warren	107,000	1,600	13.8	22
Calhoun	178,000	1,500	12.0	18	Wayne	88,000	2,100	14.3	30
Carroll	166,000	8,800	16.3	148	SC District	790,000	19,000	14.8	281
Crawford	176,000	2,000	16.5	33	Davis	61,000	800	16.3	13
Greene	138,000	700	14.3	10	Des Moines	104,000	1,500	15.0	23
Guthrie	136,000	2,500	15.2	38	Henry	98,000	600	13.3	8
Harrison	176,000	900	15.6	14	Jefferson	98,000	1,900	12.6	24
Ida	139,000	1,800	15.0	27	Keokuk	135,000	1,100	14.5	16
Monona	184,000	5,600	12.9	72	Lee	108,000	1,800	16.7	30
Sac	156,000	2,300	15.7	36	Louisa	103,000	600	18.3	11
Shelby	197,000	2,500	16.4	41	Mahaska	134,000	7,600	18.4	140
Woodbury	223,000	6,500	13.7	89	Van Buren	72,000	2,000	18.0	36
WC District	1,997,000	37,000	15.1	557	Wapello	58,000	1,300	12.3	16
Boone	136,000	1,000	15.0	15	Washington	168,000	2,800	15.0	42
Dallas	147,000	800	15.0	12	SE District	1,139,000	22,000	16.3	359
Grundy	158,000	2,100	21.0	44					
Hamilton	147,000	1,000	19.0	19					
Hardin	178,000	3,100	19.7	61					
Jasper	182,000	1,600	17.5	28					
					State	13,900,000		16.0	
							300,000		4,800

¹Revised.

Iowa Corn Silage: Acreage, Yield, And Production, By County, 1986¹

County and district	Planted for all purposes	Harvested for silage	Yield per acre	Pro-duction	County and district	Planted for all purposes	Harvested for silage	Yield per acre	Pro-duction
	Acres		Tons	000/ton		Acres		tons	000/ton
Buena Vista	147,000	1,600	15.0	24	Marshall	144,000	1,400	20.0	26
Cherokee	126,000	2,900	14.1	41	Polk	88,000	500	18.0	9
Clay	122,000	2,500	21.6	54	Poweshiek	114,000	1,200	20.0	24
Dickinson	84,000	1,600	15.0	24	Story	151,000	2,700	17.0	46
Emmet	111,000	1,200	20.8	25	Tama	172,000	1,500	18.0	27
Lyon	146,000	4,600	15.0	69	Webster	151,000	700	15.7	11
O'Brien	148,000	2,700	17.0	46	<u>C District</u>	<u>1,666,000</u>	<u>15,400</u>	<u>19.3</u>	<u>297</u>
Osceola	96,000	700	21.4	15	Benton	180,000	2,200	17.7	39
Palo Alto	157,000	900	20.0	18	Cedar	147,000	1,200	15.8	19
Plymouth	218,000	5,900	15.3	90	Clinton	196,000	3,700	17.3	64
Pocahontas	152,000	1,000	19.0	19	Iowa	140,000	1,600	16.9	27
Sioux	214,000	6,400	15.5	99	Jackson	107,000	4,800	16.3	78
<u>NW District</u>	<u>1,721,000</u>	<u>32,000</u>	<u>16.4</u>	<u>524</u>	Johnson	127,000	1,300	14.6	19
Butler	158,000	2,000	13.5	27	Jones	150,000	4,800	16.5	79
Cerro Gordo	148,000	600	16.7	10	Linn	137,000	2,300	17.8	41
Floyd	128,000	2,800	19.6	55	Muscatine	114,000	3,000	17.0	51
Franklin	149,000	700	12.9	9	Scott	117,000	2,100	14.3	30
Hancock	152,000	800	20.0	16	<u>EC District</u>	<u>1,415,000</u>	<u>27,000</u>	<u>16.6</u>	<u>447</u>
Humboldt	111,000	600	18.3	11	Adair	105,000	2,500	17.2	43
Kossuth	239,000	1,300	16.9	22	Adams	59,000	600	13.3	8
Mitchell	115,000	3,100	15.8	49	Cass	116,000	1,500	18.0	27
Winnebago	112,000	600	18.3	11	Fremont	104,000	500	16.0	8
Worth	104,000	1,200	17.5	21	Mills	94,000	400	15.0	6
Wright	140,000	600	16.7	10	Montgomery	80,000	600	16.7	10
<u>NC District</u>	<u>1,556,000</u>	<u>14,300</u>	<u>16.9</u>	<u>241</u>	Page	95,000	1,500	16.7	25
Allamakee	80,000	5,100	14.9	76	Pottawattamie	231,000	1,800	20.6	37
Black Hawk	147,000	1,300	20.8	27	Taylor	76,000	400	15.0	6
Bremer	111,000	2,800	18.2	51	<u>SW District</u>	<u>960,000</u>	<u>9,800</u>	<u>17.3</u>	<u>170</u>
Buchanan	167,000	2,400	17.5	42	Appanoose	36,000	500	12.0	6
Chickasaw	132,000	4,000	18.0	72	Clarke	47,000	1,400	14.3	20
Clayton	164,000	5,400	19.6	106	Decatur	60,000	1,900	16.8	32
Delaware	166,000	4,900	19.0	93	Lucas	45,000	2,300	13.0	30
Dubuque	122,000	7,500	19.6	147	Madison	96,000	1,000	14.0	14
Fayette	175,000	5,000	18.0	90	Marion	86,000	800	18.8	15
Howard	107,000	1,900	15.8	30	Monroe	42,000	1,900	17.4	33
Winnesiek	139,000	9,700	17.2	167	Ringgold	65,000	1,700	15.9	27
<u>NE District</u>	<u>1,510,000</u>	<u>50,000</u>	<u>18.0</u>	<u>901</u>	Union	61,000	600	11.7	7
Audubon	113,000	1,900	15.8	30	Warren	98,000	900	16.7	15
Calhoun	156,000	700	17.1	12	Wayne	74,000	800	15.0	12
Carroll	147,000	4,400	18.0	79	<u>SC District</u>	<u>710,000</u>	<u>13,800</u>	<u>15.3</u>	<u>211</u>
Crawford	151,000	1,700	17.6	30	Davis	55,000	900	11.1	10
Greene	127,000	600	16.7	10	Des Moines	93,000	1,100	17.3	19
Guthrie	119,000	900	20.0	18	Henry	87,000	400	12.5	5
Harrison	150,000	900	15.6	14	Jefferson	84,000	1,000	12.0	12
Ida	119,000	1,400	15.0	21	Keokuk	126,000	700	15.7	11
Monona	164,000	4,500	16.4	74	Lee	94,000	1,100	12.7	14
Sac	140,000	2,100	12.9	27	Louisa	91,000	400	12.5	5
Shelby	174,000	2,600	21.2	55	Mahaska	115,000	3,800	18.9	72
Woodbury	202,000	2,300	14.3	33	Van Buren	60,000	2,000	12.0	24
<u>WC District</u>	<u>1,762,000</u>	<u>24,000</u>	<u>16.8</u>	<u>403</u>	Wapello	52,000	1,300	12.3	16
Boone	122,000	1,000	19.0	19	Washington	143,000	1,000	18.0	18
Dallas	127,000	600	15.0	9	<u>SE District</u>	<u>1,000,000</u>	<u>13,700</u>	<u>15.0</u>	<u>206</u>
Grundy	145,000	1,600	21.3	34	State	12,300,000	200,000	17.0	3,400
Hamilton	135,000	600	18.3	11					
Hardin	159,000	1,200	21.7	26					
Jasper	158,000	2,400	22.1	53					

¹ Preliminary.

Iowa All Hay: Acreage, Yield, And Production, By County, 1985

County and district	Harvested	Yield per acre	Pro-duction	County and district	Harvested	Yield per acre	Pro-duction
	Acres	Tons	Acres		Acres	Tons	Acres
Buena Vista	6,700	3.10	20,800	Marshall	19,400	3.23	62,700
Cherokee	12,200	3.52	42,900	Polk	11,700	2.98	34,900
Clay	9,300	3.56	33,100	Poweshiek	45,600	3.30	150,400
Dickinson	6,600	3.47	22,900	Story	6,300	2.90	18,300
Emmet	4,500	2.89	13,000	Tama	26,200	3.41	89,400
Lyon	15,400	4.00	61,600	Webster	6,400	2.61	16,700
O'Brien	8,600	3.10	26,700	C District	193,000	3.12	603,000
Osceola	5,100	3.75	19,100	Benton	26,500	3.67	97,300
Palo Alto	6,600	3.35	22,100	Cedar	17,000	3.92	66,600
Plymouth	21,700	3.76	81,700	Clinton	26,400	3.86	101,800
Pocahontas	5,200	3.21	16,700	Iowa	31,700	3.52	111,600
Sioux	21,100	3.91	82,400	Jackson	61,000	3.67	224,000
NW District	123,000	3.60	443,000	Johnson	27,200	3.79	103,000
Butler	19,800	3.11	61,600	Jones	29,900	3.71	111,000
Cerro Gordo	7,800	2.86	22,300	Linn	26,100	3.31	86,400
Floyd	10,500	2.99	31,400	Muscatine	13,000	3.75	48,800
Franklin	10,600	3.48	36,900	Scott	11,200	3.71	41,500
Hancock	12,000	3.69	44,300	EC District	270,000	3.67	992,000
Humboldt	4,300	2.74	11,800	Adair	29,200	3.42	100,000
Kossuth	13,300	2.84	37,800	Adams	18,300	2.60	47,500
Mitchell	18,200	3.25	59,200	Cass	20,500	2.85	58,400
Winnebago	4,900	3.27	16,000	Fremont	6,900	2.84	19,600
Worth	8,100	2.84	23,000	Mills	7,900	3.33	26,300
Wright	4,500	3.27	14,700	Montgomery	12,900	2.69	34,700
NC District	114,000	3.15	359,000	Page	18,600	3.00	55,800
Allamakee	63,000	3.47	218,900	Pottawattamie	25,900	3.74	96,900
Black Hawk	12,200	3.70	45,100	Taylor	25,800	2.63	67,800
Bremer	21,900	3.89	85,200	SW District	166,000	3.05	507,000
Buchanan	19,200	3.68	70,600	Appanoose	44,900	2.58	115,900
Chickasaw	22,800	3.04	69,200	Clarke	34,000	3.43	116,500
Clayton	68,200	4.09	278,700	Decatur	34,400	2.51	86,500
Delaware	40,200	3.97	159,700	Lucas	38,700	2.67	103,300
Dubuque	60,700	3.97	241,000	Madison	24,300	3.36	81,600
Fayette	45,700	3.71	169,400	Marion	30,500	3.23	98,600
Howard	27,900	3.55	99,100	Monroe	37,200	2.34	87,100
Winnesiek	84,200	3.80	320,100	Ringgold	47,200	2.67	126,000
NE District	466,000	3.77	1,757,000	Union	26,300	2.57	67,500
Audubon	18,100	3.35	60,600	Warren	27,400	3.09	84,600
Calhoun	8,300	2.96	24,600	Wayne	47,100	2.66	125,400
Carroll	12,600	3.48	43,900	SC District	392,000	2.79	1,093,000
Crawford	30,200	3.19	96,400	Davis	41,300	2.81	115,900
Greene	8,700	3.30	28,700	Des Moines	7,800	3.37	26,300
Guthrie	26,500	3.13	83,000	Henry	10,000	3.30	33,000
Harrison	13,900	3.55	49,300	Jefferson	23,000	2.93	67,300
Ida	14,600	3.52	51,400	Keokuk	22,700	3.22	73,000
Monona	12,000	3.54	42,500	Lee	21,200	3.32	70,400
Sac	15,700	3.78	59,400	Louisa	6,800	3.46	23,500
Shelby	18,100	3.49	63,200	Mahaska	23,900	3.43	82,000
Woodbury	23,300	3.56	83,000	Van Buren	24,800	2.86	71,000
WC District	202,000	3.40	686,000	Wapello	25,700	2.82	72,600
Boone	8,800	2.76	24,300	Washington	16,800	3.45	58,000
Dallas	12,700	2.98	37,900	SE District	224,000	3.09	693,000
Grundy	10,900	3.30	36,000				
Hamilton	3,900	2.79	10,900				
Hardin	8,500	2.91	24,700				
Jasper	32,600	2.97	96,800	State	2,150,000	3.32	7,133,000

Iowa All Hay: Acreage, Yield, And Production, By County, 1986¹

County and district	Harvested	Yield per acre	Pro-duction	County and district	Harvested	Yield per acre	Pro-duction
	Acres	Tons	Acres		Acres	Tons	Acres
Buena Vista	7,700	3.45	26,600	Marshall	23,500	3.29	77,400
Cherokee	15,100	3.11	47,000	Polk	13,900	3.40	47,200
Clay	9,100	4.07	37,000	Poweshiek	49,000	3.62	177,300
Dickinson	7,000	3.30	23,100	Story	6,500	3.38	22,000
Emmet	4,600	3.41	15,700	Tama	31,300	3.12	97,500
Lyon	20,400	4.00	81,500	Webster	6,400	3.13	20,000
O'Brien	8,900	3.07	27,300	<u>C District</u>	<u>215,000</u>	<u>3.32</u>	<u>713,000</u>
Osceola	6,600	3.48	23,000	Benton	30,500	3.66	111,500
Palo Alto	6,600	4.26	28,100	Cedar	17,300	3.31	57,200
Plymouth	26,300	3.30	86,700	Clinton	26,400	3.98	105,000
Pocahontas	5,200	2.94	15,300	Iowa	35,600	2.99	106,400
Sioux	22,500	3.45	77,700	Jackson	70,000	4.19	293,000
<u>NW District</u>	<u>140,000</u>	<u>3.49</u>	<u>489,000</u>	Johnson	30,000	2.96	88,800
Butler	20,500	3.62	74,200	Jones	31,500	3.43	108,000
Cerro Gordo	8,200	3.12	25,600	Linn	27,500	3.41	93,800
Floyd	11,200	3.87	43,300	Muscatine	13,700	3.76	51,500
Franklin	11,100	3.28	36,400	Scott	13,500	3.76	50,800
Hancock	12,700	4.17	52,900	<u>EC District</u>	<u>296,000</u>	<u>3.60</u>	<u>1,066,000</u>
Humboldt	4,400	2.84	12,500	Adair	35,000	3.44	120,300
Kossuth	14,600	3.02	44,100	Adams	21,800	2.46	53,700
Mitchell	18,900	3.60	68,100	Cass	21,000	3.50	73,400
Winnebago	5,000	3.54	17,700	Fremont	8,500	3.02	25,700
Worth	8,500	3.29	28,000	Mills	7,900	2.89	22,800
Wright	4,900	3.31	16,200	Montgomery	13,400	3.51	47,000
<u>NC District</u>	<u>120,000</u>	<u>3.49</u>	<u>419,000</u>	Page	21,500	3.35	72,100
Allamakee	77,000	3.57	275,000	Pottawattamie	25,900	3.93	101,700
Black Hawk	13,500	3.55	47,900	Taylor	30,000	2.78	83,300
Bremer	24,100	3.65	88,000	<u>SW District</u>	<u>185,000</u>	<u>3.24</u>	<u>600,000</u>
Buchanan	21,100	3.37	71,100	Appanocse	47,600	2.48	118,000
Chickasaw	25,500	3.77	96,100	Clarke	39,000	2.63	102,700
Clayton	79,000	3.71	293,000	Decatur	44,000	2.50	109,800
Delaware	48,000	3.91	187,500	Lucas	43,100	2.63	113,500
Dubuque	74,600	4.13	308,000	Madison	28,000	3.65	102,200
Fayette	47,100	3.77	177,400	Marion	34,200	2.94	100,600
Howard	29,100	3.68	107,000	Monroe	41,600	2.83	117,600
Winneshek	90,000	3.69	332,000	Ringgold	57,300	2.64	151,000
<u>NE District</u>	<u>529,000</u>	<u>3.75</u>	<u>1,983,000</u>	Union	32,500	2.69	87,400
Audubon	23,000	3.74	86,000	Warren	29,000	3.00	86,900
Calhoun	9,200	3.20	29,400	Wayne	53,700	2.61	140,300
Carroll	14,000	3.69	51,700	<u>SC District</u>	<u>450,000</u>	<u>2.73</u>	<u>1,230,000</u>
Crawford	31,500	3.20	100,700	Davis	45,500	2.44	111,000
Greene	9,400	2.87	27,000	Des Moines	8,600	3.33	28,600
Guthrie	31,000	2.76	85,700	Henry	10,700	3.44	36,800
Harrison	17,000	3.62	61,500	Jefferson	22,500	2.61	58,800
Ida	18,300	3.87	70,900	Keokuk	24,400	3.64	88,700
Monona	15,000	3.27	49,000	Lee	20,700	3.34	69,200
Sac	16,100	4.19	67,400	Louisa	6,500	3.49	22,700
Shelby	21,800	3.12	68,000	Mahaska	23,900	3.71	88,600
Woodbury	23,700	3.66	86,700	Van Buren	26,200	2.75	72,100
<u>WC District</u>	<u>230,000</u>	<u>3.41</u>	<u>784,000</u>	Wapello	28,000	2.89	81,000
Boone	9,000	3.19	28,700	Washington	18,000	3.25	58,500
Dallas	13,600	3.25	44,200	<u>SE District</u>	<u>235,000</u>	<u>3.05</u>	<u>716,000</u>
Grundy	11,000	3.15	34,600				
Hamilton	3,900	3.05	11,900	State	2,400,000	3.33	8,000,000
Hardin	8,300	3.10	25,700				
Jasper	38,600	3.28	126,500				

¹Preliminary.

Iowa Alfalfa Hay: Acreage, Yield, And Production, By County, 1985

County and district	Harvested	Yield per acre	Pro-duction	County and district	Harvested	Yield per acre	Pro-duction
	Acres	----- Tons -----			Acres	----- Tons -----	
Buena Vista	3,400	4.03	13,700	Marshall	12,300	3.74	46,000
Cherokee	6,100	4.34	26,500	Polk	7,500	3.52	26,400
Clay	5,400	4.00	21,600	Poweshiek	34,600	3.61	125,000
Dickinson	4,400	4.05	17,800	Story	3,200	3.84	12,300
Emmet	2,300	4.04	9,300	Tama	19,000	3.79	72,000
Lyon	12,100	4.54	54,900	Webster	3,200	3.50	11,200
O'Brien	4,400	4.18	18,400	<u>C District</u>	<u>129,000</u>	<u>3.64</u>	<u>469,000</u>
Osceola	4,000	4.15	16,600	Benton	19,900	4.14	82,300
Palo Alto	3,300	4.55	15,000	Cedar	11,300	4.65	52,600
Plymouth	15,300	4.27	65,400	Clinton	19,800	4.27	84,500
Pocahontas	2,600	4.08	10,600	Iowa	24,300	3.83	93,100
Sioux	12,700	4.90	62,200	Jackson	50,800	3.90	198,000
<u>NW District</u>	<u>76,000</u>	<u>4.37</u>	<u>332,000</u>	Johnson	20,200	4.35	87,800
Butler	13,300	3.61	48,000	Jones	22,800	4.08	93,000
Cerro Gordo	4,400	3.59	15,800	Linn	19,700	3.65	71,900
Floyd	6,700	3.69	24,700	Muscatine	8,800	4.28	37,700
Franklin	6,900	4.35	30,000	Scott	8,400	4.18	35,100
Hancock	8,100	4.47	36,200	<u>EC District</u>	<u>206,000</u>	<u>4.06</u>	<u>836,000</u>
Humboldt	2,300	3.61	8,300	Adair	21,500	3.89	83,700
Kossuth	6,700	3.88	26,000	Adams	12,000	2.96	35,500
Mitchell	11,200	3.77	42,200	Cass	14,000	3.25	45,500
Winnebago	3,000	4.23	12,700	Fremont	4,500	3.31	14,900
Worth	4,600	3.54	16,300	Mills	5,200	3.54	18,400
Wright	2,800	4.21	11,800	Montgomery	7,900	3.10	24,500
<u>NC District</u>	<u>70,000</u>	<u>3.89</u>	<u>272,000</u>	Page	10,500	3.57	37,500
Allamakee	55,200	3.64	201,000	Pottawattamie	18,100	4.17	75,400
Black Hawk	8,600	4.13	35,500	Taylor	18,300	2.93	53,600
Bremer	16,600	4.37	72,500	<u>SW District</u>	<u>112,000</u>	<u>3.47</u>	<u>389,000</u>
Buchanan	12,900	4.12	53,100	Appanoose	27,100	3.03	82,100
Chickasaw	16,000	3.54	56,600	Clarke	25,300	3.60	91,000
Clayton	61,800	4.22	261,000	Decatur	20,000	3.02	60,400
Delaware	34,400	4.19	144,000	Lucas	23,600	2.94	69,500
Dubuque	57,100	4.05	231,000	Madison	19,000	3.55	67,400
Fayette	37,500	4.00	150,000	Marion	24,300	3.47	84,200
Howard	21,900	3.85	84,300	Monroe	21,900	2.80	61,400
Winneshek	75,000	3.93	295,000	Ringgold	33,400	2.90	97,000
<u>NE District</u>	<u>397,000</u>	<u>3.99</u>	<u>1,584,000</u>	Union	18,800	2.80	52,700
Audubon	12,200	3.96	48,300	Warren	21,600	3.42	73,900
Calhoun	4,700	3.72	17,500	Wayne	33,000	2.98	98,400
Carroll	8,600	4.24	36,500	<u>SC District</u>	<u>268,000</u>	<u>3.13</u>	<u>838,000</u>
Crawford	21,000	3.79	79,500	Davis	25,200	3.45	86,900
Greene	4,900	4.33	21,200	Des Moines	5,200	3.58	18,600
Guthrie	20,600	3.50	72,100	Henry	6,000	3.90	23,400
Harrison	10,400	3.90	40,600	Jefferson	14,300	3.29	47,100
Ida	10,500	3.93	41,300	Keokuk	16,800	3.55	59,600
Monona	7,300	4.21	30,700	Lee	14,000	3.74	52,400
Sac	11,700	4.24	49,600	Louisa	4,800	3.79	18,200
Shelby	11,200	4.33	48,500	Mahaska	16,800	3.99	67,000
Woodbury	17,900	4.09	73,200	Van Buren	16,800	3.11	52,200
<u>WC District</u>	<u>141,000</u>	<u>3.96</u>	<u>559,000</u>	Wapello	18,100	3.30	59,800
Boone	5,100	3.45	17,600	Washington	13,000	3.75	48,800
Dallas	7,300	3.70	27,000	<u>SE District</u>	<u>151,000</u>	<u>3.54</u>	<u>534,000</u>
Grundy	7,100	3.97	28,200	State	1,550,000	3.75	5,813,000
Hamilton	2,400	3.42	8,200				
Hardin	4,600	3.89	17,900				
Jasper	22,700	3.40	77,200				

Iowa Alfalfa Hay: Acreage, Yield, And Production, By County, 1986¹

County and district	Harvested	Yield per acre	Pro-duction	County and district	Harvested	Yield per acre	Pro-duction
	Acres	-----	Tons -----		Acres	-----	Tons -----
Buena Vista	4,000	4.13	16,500	Marshall	14,000	3.76	52,600
Cherokee	6,500	4.00	26,000	Polk	8,000	4.18	33,400
Clay	4,900	4.94	24,200	Poweshiek	36,000	3.92	141,000
Dickinson	4,300	4.12	17,700	Story	3,300	3.97	13,100
Emmet	2,400	4.71	11,300	Tama	22,400	3.64	81,600
Lyon	12,000	5.00	60,000	Webster	3,700	3.76	13,900
O'Brien	4,000	4.38	17,500	<u>C District</u>	<u>139,000</u>	<u>3.83</u>	<u>533,000</u>
Osceola	3,600	4.58	16,500	Benton	22,500	4.00	90,000
Palo Alto	3,800	5.26	20,000	Cedar	12,300	3.72	45,700
Plymouth	15,000	4.15	62,200	Clinton	21,000	4.18	87,700
Pocahontas	3,000	3.63	10,900	Iowa	25,900	3.25	84,300
Sioux	12,500	4.26	53,200	Jackson	52,500	4.48	235,000
<u>NW District</u>	<u>76,000</u>	<u>4.42</u>	<u>336,000</u>	Johnson	21,100	3.27	69,100
Butler	14,000	4.06	56,900	Jones	25,000	3.80	95,000
Cerro Gordo	4,800	3.56	17,100	Linn	23,200	3.62	84,000
Floyd	6,700	4.25	28,500	Muscatine	10,000	4.32	43,200
Franklin	7,100	3.24	23,000	Scott	9,500	4.21	40,000
Hancock	7,600	4.83	36,700	<u>EC District</u>	<u>223,000</u>	<u>3.92</u>	<u>874,000</u>
Humboldt	2,500	3.36	8,400	Adair	23,500	3.77	88,500
Kossuth	6,400	4.50	28,800	Adams	13,000	2.85	37,100
Mitchell	11,000	4.16	45,800	Cass	14,700	3.71	54,500
Winnebago	3,000	4.57	13,700	Fremont	4,500	3.38	15,200
Worth	5,000	3.60	18,000	Mills	5,500	3.27	18,000
Wright	2,900	3.83	11,100	Montgomery	8,500	4.21	35,800
<u>NC District</u>	<u>71,000</u>	<u>4.06</u>	<u>288,000</u>	Page	11,500	3.99	45,900
Allamakee	58,000	3.83	222,000	Pottawattamie	18,800	4.50	84,600
Black Hawk	8,600	4.06	34,900	Taylor	18,000	3.02	54,400
Bremer	17,500	4.15	72,700	<u>SW District</u>	<u>118,000</u>	<u>3.68</u>	<u>434,000</u>
Buchanan	14,000	3.66	51,200	Appanoose	24,400	3.11	75,800
Chickasaw	17,100	4.30	73,600	Clarke	29,800	2.80	83,500
Clayton	62,000	3.94	244,000	Decatur	21,600	3.27	70,600
Delaware	38,300	4.13	158,000	Lucas	21,300	3.08	65,500
Dubuque	59,100	4.43	262,000	Madison	20,100	4.26	85,600
Fayette	38,100	4.02	153,000	Marion	26,000	3.00	78,000
Howard	22,300	3.97	88,600	Monroe	21,000	3.47	72,800
Winneshiek	77,000	3.88	299,000	Ringgold	32,000	3.09	99,000
<u>NE District</u>	<u>412,000</u>	<u>4.03</u>	<u>1,659,000</u>	Union	22,100	2.93	64,800
Audubon	14,300	4.14	59,200	Warren	21,000	3.41	71,700
Calhoun	5,000	3.94	19,700	Wayne	29,700	3.22	95,700
Carroll	9,000	4.34	39,100	<u>SC District</u>	<u>269,000</u>	<u>3.21</u>	<u>863,000</u>
Crawford	21,000	3.80	79,900	Davis	23,900	2.92	69,700
Greene	4,700	3.62	17,000	Des Moines	4,700	4.19	19,700
Guthrie	19,600	3.04	59,500	Henry	6,000	4.25	25,500
Harrison	10,000	4.32	43,200	Jefferson	13,800	2.80	38,700
Ida	11,300	4.35	49,200	Keokuk	16,000	4.20	67,200
Monona	7,500	4.47	33,500	Lee	12,800	3.77	48,300
Sac	13,000	4.61	59,900	Louisa	4,400	3.93	17,300
Shelby	11,600	3.62	42,000	Mahaska	17,100	4.25	72,700
Woodbury	18,000	3.93	70,800	Van Buren	15,300	3.13	47,900
<u>WC District</u>	<u>145,000</u>	<u>3.95</u>	<u>573,000</u>	Wapello	19,500	3.38	66,000
Boone	5,000	3.74	18,700	Washington	13,500	3.42	47,000
Dallas	7,400	4.30	31,800	<u>SE District</u>	<u>147,000</u>	<u>3.54</u>	<u>520,000</u>
Grundy	8,300	3.63	30,100	State	1,600,000	3.80	6,080,000
Hamilton	2,500	3.32	8,300				
Hardin	5,400	3.78	20,400				
Jasper	23,000	3.83	88,100				

¹Preliminary.

Iowa Oats: Acreage, Yield, And Production, By County, 1985

County and district	Planted for all purposes	Harvested for grain	Yield per acre	Pro-duction	County and district	Planted for all purposes	Harvested for grain	Yield per acre	Pro-duction
	----- Acres -----		Bu.	000/bu.		----- Acres -----		Bu.	000/bu.
Buena Vista	12,600	3,200	89.4	286	Marshall	15,600	4,600	80.0	368
Cherokee	25,000	7,100	83.9	596	Polk	15,100	3,500	70.9	248
Clay	11,500	3,500	79.4	278	Poweshiek	23,400	12,500	83.3	1,041
Dickinson	12,600	2,200	77.7	171	Story	12,800	3,200	76.9	246
Emmet	9,200	1,500	80.7	121	Tama	20,600	11,000	75.9	835
Lyon	19,800	11,000	87.8	966	Webster	13,300	3,200	90.0	288
O'Brien	19,900	6,700	88.7	594	C District	174,000	61,000	80.7	4,922
Osceola	11,000	3,300	87.6	289	Benton	22,100	14,000	83.4	1,168
Palo Alto	14,100	3,400	78.2	266	Cedar	17,600	9,000	85.0	765
Plymouth	39,000	23,000	85.0	1,955	Clinton	14,000	6,800	76.0	517
Pocahontas	12,800	3,100	84.8	263	Iowa	13,300	8,800	77.7	684
Sioux	43,500	20,000	91.2	1,824	Jackson	20,800	14,000	73.1	1,023
NW District	231,000	88,000	86.5	7,609	Johnson	12,800	7,800	74.1	578
Butler	18,500	7,700	75.1	578	Jones	14,600	7,900	79.7	630
Cerro Gordo	21,100	6,900	78.8	544	Linn	19,900	13,000	79.5	1,034
Floyd	19,100	8,500	78.9	671	Muscatine	11,500	5,700	73.7	420
Franklin	17,500	4,000	81.5	326	Scott	11,400	6,000	85.5	513
Hancock	16,000	5,300	77.7	412	EC District	158,000	93,000	78.8	7,332
Humboldt	12,700	2,700	83.3	225	Adair	35,000	17,000	66.0	1,122
Kossuth	20,000	5,000	73.4	367	Adams	10,400	4,600	60.7	279
Mitchell	21,000	7,900	71.1	562	Cass	19,300	9,000	63.3	570
Winnebago	10,000	2,400	74.6	179	Fremont	5,600	1,000	63.0	63
Worth	13,200	4,100	71.5	293	Mills	4,900	1,700	64.7	110
Wright	10,900	2,500	80.4	201	Montgomery	10,400	4,100	59.8	245
NC District	180,000	57,000	76.5	4,358	Page	6,200	2,300	65.2	150
Allamakee	19,700	15,000	69.5	1,042	Pottawattamie	24,800	8,200	68.3	560
Black Hawk	13,700	8,100	81.5	660	Taylor	14,400	7,100	65.5	465
Bremer	17,500	9,600	85.0	816	SW District	131,000	55,000	64.8	3,564
Buchanan	23,000	14,000	82.8	1,159	Appanoose	6,100	2,800	65.7	184
Chickasaw	16,400	11,000	74.2	816	Clarke	8,000	4,000	64.0	256
Clayton	41,500	33,300	82.0	2,731	Decatur	8,000	3,500	66.0	231
Delaware	39,300	26,000	72.8	1,893	Lucas	11,600	4,900	60.6	297
Dubuque	35,800	29,000	75.0	2,175	Madison	13,900	7,100	56.9	404
Fayette	29,400	20,000	76.9	1,537	Marion	11,300	7,300	65.5	478
Howard	15,400	11,000	71.9	791	Monroe	8,000	3,600	56.9	205
Winneshiek	29,300	24,000	62.7	1,505	Ringgold	8,900	4,400	65.5	288
NE District	261,000	201,000	75.2	15,125	Union	16,800	7,900	56.1	443
Audubon	15,500	7,700	86.0	662	Warren	7,800	4,500	57.6	259
Calhoun	12,000	4,000	88.8	355	Wayne	10,600	6,000	59.7	358
Carroll	17,200	8,800	83.1	731	SC District	111,000	56,000	60.8	3,403
Crawford	28,100	16,000	82.8	1,325	Davis	8,100	4,600	64.1	295
Greene	17,000	4,400	79.1	348	Des Moines	6,300	2,100	63.8	134
Guthrie	24,000	9,700	75.1	728	Henry	10,200	2,900	66.2	192
Harrison	12,200	4,500	77.8	350	Jefferson	5,900	3,100	68.1	211
Ida	11,900	5,300	81.1	430	Keokuk	11,400	4,400	62.3	274
Monona	15,400	5,900	72.9	430	Lee	4,100	1,500	72.0	108
Sac	27,700	13,000	87.0	1,131	Louisa	7,200	1,900	56.3	107
Shelby	15,700	8,700	81.1	706	Mahaska	22,200	10,000	70.4	704
Woodbury	31,300	17,000	81.4	1,383	Van Buren	5,300	2,900	56.2	163
WC District	228,000	105,000	81.7	8,579	Wapello	8,500	3,700	64.6	239
Boone	11,400	2,900	83.1	241	Washington	16,800	6,900	63.9	441
Dallas	8,300	2,700	81.5	220	SE District	106,000	44,000	65.2	2,868
Grundy	11,300	3,400	89.1	303					
Hamilton	11,800	2,900	85.2	247					
Hardin	13,700	2,900	82.4	239					
Jasper	16,700	8,200	78.8	646					
					State	1,600,000	760,000	76.0	57,760

Iowa Oats: Acreage, Yield, And Production, By County, 1986¹

County and district	Planted for all purposes	Harvested for grain	Yield per acre	Pro-duction	County and district	Planted for all purposes	Harvested for grain	Yield per acre	Pro-duction
	Acres		Bu.	000/bu.		Acres		Bu.	000/bu.
Buena Vista	22,700	2,200	60.0	132	Marshall	25,100	4,000	62.5	250
Cherokee	39,900	4,900	60.0	294	Polk	21,600	2,600	59.6	155
Clay	22,900	2,400	66.3	159	Poweshiek	28,500	11,300	59.8	676
Dickinson	23,400	1,600	60.0	96	Story	26,800	2,600	64.6	168
Emmet	18,100	1,200	62.5	75	Tama	25,800	9,800	58.7	575
Lyon	31,800	7,500	66.5	499	Webster	26,400	2,400	65.0	156
O'Brien	33,000	4,600	65.4	301	<u>C District</u>	<u>291,000</u>	<u>52,000</u>	<u>61.8</u>	<u>3,211</u>
Osceola	21,800	2,400	62.5	150	Benton	37,600	13,000	62.5	813
Palo Alto	29,600	2,700	67.4	182	Cedar	30,000	8,100	62.5	506
Plymouth	59,000	16,000	61.2	979	Clinton	29,900	6,600	62.4	412
Pocahontas	26,800	2,500	60.8	152	Iowa	26,400	8,600	55.8	480
Sioux	63,000	14,000	63.4	887	Jackson	24,400	13,000	66.5	864
<u>NW District</u>	<u>392,000</u>	<u>62,000</u>	<u>63.0</u>	<u>3,906</u>	Johnson	18,000	7,300	59.5	434
Butler	24,900	6,500	62.0	403	Jones	26,400	7,700	61.9	477
Cerro Gordo	30,000	5,500	62.0	341	Linn	28,100	12,000	60.3	723
Floyd	25,200	7,200	60.3	434	Muscatine	18,600	5,300	63.2	335
Franklin	34,100	3,200	62.2	199	Scott	18,600	5,400	66.9	361
Hancock	26,500	4,300	63.0	271	<u>EC District</u>	<u>258,000</u>	<u>87,000</u>	<u>62.1</u>	<u>5,405</u>
Humboldt	25,000	2,300	57.4	132	Adair	35,000	13,000	52.5	683
Kossuth	40,000	4,200	63.1	265	Adams	16,300	3,700	42.2	156
Mitchell	27,700	6,600	59.4	392	Cass	32,000	6,700	50.7	340
Winnebago	21,000	1,900	63.7	121	Fremont	11,200	800	46.3	37
Worth	19,800	3,300	63.0	208	Mills	10,000	1,100	42.7	47
Wright	22,800	2,000	60.5	121	Montgomery	21,800	3,100	47.7	148
<u>NC District</u>	<u>297,000</u>	<u>47,000</u>	<u>61.4</u>	<u>2,887</u>	Page	12,400	1,700	44.7	76
Allamakee	19,800	13,000	63.7	828	Pottawattamie	36,200	5,400	59.3	320
Black Hawk	28,700	6,100	66.2	404	Taylor	17,100	5,500	37.8	208
Bremer	22,400	7,300	66.7	487	<u>SW District</u>	<u>192,000</u>	<u>41,000</u>	<u>49.1</u>	<u>2,015</u>
Buchanan	35,000	11,000	64.5	709	Appanoose	11,100	2,500	44.8	112
Chickasaw	25,400	8,500	61.2	520	Clarke	11,000	3,400	36.2	123
Clayton	41,500	30,000	67.8	2,033	Decatur	10,000	3,200	39.1	125
Delaware	47,300	21,500	61.6	1,324	Lucas	11,300	4,500	44.4	200
Dubuque	35,800	25,000	67.8	1,695	Madison	22,600	6,400	53.6	343
Fayette	50,000	18,000	64.9	1,168	Marion	19,400	6,300	55.6	350
Howard	25,500	8,600	62.3	536	Monroe	10,400	3,300	43.9	145
Winneshiek	34,600	21,000	63.3	1,330	Ringgold	13,000	4,100	36.1	148
<u>NE District</u>	<u>366,000</u>	<u>170,000</u>	<u>64.9</u>	<u>11,034</u>	Union	16,800	7,000	39.1	274
Audubon	24,900	5,700	66.3	378	Warren	13,300	4,000	49.5	198
Calhoun	22,900	3,100	63.9	198	Wayne	17,100	5,300	36.0	191
Carroll	32,700	7,600	66.2	503	<u>SC District</u>	<u>156,000</u>	<u>50,000</u>	<u>44.2</u>	<u>2,209</u>
Crawford	42,500	13,800	60.0	828	Davis	10,400	3,800	45.3	172
Greene	34,900	3,300	63.0	208	Des Moines	12,200	1,700	55.9	95
Guthrie	29,000	8,200	63.0	517	Henry	14,300	2,300	57.0	131
Harrison	23,100	3,700	60.0	222	Jefferson	12,100	2,500	47.2	118
Ida	22,800	4,600	58.0	267	Keokuk	22,000	3,700	53.0	196
Monona	32,300	5,000	57.0	285	Lee	8,000	1,300	50.0	65
Sac	41,900	9,800	63.9	626	Louisa	15,800	1,600	59.4	95
Shelby	32,900	7,400	65.9	488	Mahaska	26,100	8,500	54.7	465
Woodbury	43,100	12,800	58.6	750	Van Buren	8,700	2,300	42.6	98
<u>WC District</u>	<u>383,000</u>	<u>85,000</u>	<u>62.0</u>	<u>5,270</u>	Wapello	12,000	3,100	46.1	143
Boone	20,800	2,200	65.0	143	Washington	23,400	5,200	54.8	285
Dallas	19,300	2,000	63.0	126	<u>SE District</u>	<u>165,000</u>	<u>36,000</u>	<u>51.8</u>	<u>1,863</u>
Grundy	23,100	3,000	63.3	190					
Hamilton	24,700	2,400	62.5	150	State	2,500,000		60.0	
Hardin	23,800	2,500	62.4	156			630,000		37,800
Jasper	25,100	7,200	64.7	466					

¹Preliminary.

Iowa Soybeans: Acreage, Yield, And Production, By County, 1985

County and district	Planted for all purposes	Harvested for beans	Yield per acre	Production	County and district	Planted for all purposes	Harvested for beans	Yield per acre	Production
	----- Acres -----		Bu.	000/bu.		----- Acres -----		Bu.	000/bu.
Buena Vista	124,000	123,500	39.3	4,855	Marshall	93,800	93,400	41.6	3,889
Cherokee	98,300	96,500	39.2	3,787	Polk	81,100	80,700	35.4	2,859
Clay	125,000	124,500	35.5	4,421	Poweshiek	81,400	81,000	39.1	3,171
Dickinson	72,100	71,800	33.5	2,405	Story	122,000	121,500	37.2	4,525
Emmet	92,700	92,400	36.1	3,337	Tama	110,000	109,200	37.7	4,120
Lyon	114,000	113,600	35.8	4,071	Webster	169,700	168,700	38.9	6,569
O'Brien	133,000	132,500	36.9	4,894	C District	1,348,000	1,341,000	39.2	52,527
Osceola	92,900	92,500	33.3	3,081	Benton	127,000	126,300	38.2	4,822
Palo Alto	131,000	130,500	36.1	4,709	Cedar	73,500	73,100	45.0	3,290
Plymouth	127,000	126,300	39.8	5,030	Clinton	72,500	71,300	41.6	2,963
Pocahontas	148,000	147,300	39.5	5,819	Iowa	51,300	51,100	40.3	2,061
Sioux	117,000	116,600	40.9	4,770	Jackson	8,700	8,500	36.4	309
NW District	1,375,000	1,368,000	37.4	51,179	Johnson	54,900	54,600	38.6	2,106
Butler	85,200	84,300	37.8	3,183	Jones	42,100	41,600	38.5	1,602
Cerro Gordo	113,000	112,300	34.2	3,837	Linn	89,000	88,400	36.3	3,206
Floyd	104,000	102,900	33.6	3,462	Muscatine	55,200	54,900	38.6	2,120
Franklin	129,000	128,300	38.6	4,952	Scott	42,800	42,200	45.1	1,903
Hancock	133,000	132,400	35.2	4,662	EC District	617,000	612,000	39.8	24,382
Humboldt	108,000	107,400	37.3	4,008	Adair	64,300	64,000	39.5	2,529
Kossuth	271,000	269,900	38.0	10,244	Adams	50,200	50,000	38.5	1,923
Mitchell	81,000	80,600	31.9	2,568	Cass	76,500	75,900	37.8	2,867
Winnebago	96,100	95,500	32.2	3,079	Fremont	104,000	103,600	40.5	4,191
Worth	82,700	82,300	32.5	2,676	Mills	93,100	92,700	38.0	3,525
Wright	164,000	161,100	36.8	5,927	Montgomery	72,100	71,700	36.7	2,630
NC District	1,367,000	1,357,000	35.8	48,598	Page	83,800	83,500	39.0	3,257
Allamakee	3,900	3,800	32.4	123	Pottawattamie	163,000	161,900	39.8	6,449
Black Hawk	90,900	90,400	39.3	3,554	Taylor	69,000	68,700	40.0	2,745
Bremer	56,000	55,500	39.2	2,178	SW District	776,000	772,000	39.0	30,116
Buchanan	61,600	61,400	34.6	2,126	Appanoose	28,400	27,900	35.8	999
Chickasaw	60,700	60,100	29.0	1,740	Clarke	32,100	31,900	38.3	1,223
Clayton	4,800	4,800	37.1	178	Decatur	39,200	38,900	35.7	1,388
Delaware	25,100	25,000	35.1	878	Lucas	26,000	25,900	37.8	979
Dubuque	2,900	2,900	36.6	106	Madison	56,100	55,500	34.0	1,887
Fayette	74,400	73,800	38.3	2,829	Marion	53,000	52,700	40.2	2,117
Howard	71,900	71,600	27.2	1,950	Monroe	20,900	20,500	34.0	697
Winneshiek	16,800	16,700	31.4	524	Ringgold	52,600	52,300	37.6	1,969
NE District	469,000	466,000	34.7	16,186	Union	33,200	32,900	37.3	1,227
Audubon	68,300	68,000	39.8	2,703	Warren	49,600	48,900	35.8	1,749
Calhoun	139,000	138,400	38.0	5,263	Wayne	47,900	47,600	34.9	1,661
Carroll	97,500	97,100	40.7	3,952	SC District	439,000	435,000	36.5	15,896
Crawford	89,300	88,100	36.9	3,251	Davis	42,700	42,100	36.2	1,526
Greene	135,000	134,200	41.1	5,513	Des Moines	46,200	46,000	41.7	1,918
Guthrie	69,800	69,300	37.0	2,567	Henry	61,300	61,100	41.1	2,509
Harrison	108,000	107,600	41.7	4,489	Jefferson	65,700	65,500	38.1	2,494
Ida	74,400	74,100	39.9	2,958	Keokuk	61,000	60,800	40.4	2,459
Monona	106,000	105,500	37.0	3,900	Lee	58,100	57,800	39.9	2,308
Sac	117,000	116,600	39.3	4,581	Louisa	53,700	52,900	38.1	2,018
Shelby	87,800	87,500	40.9	3,576	Mahaska	76,500	76,300	41.3	3,155
Woodbury	89,900	89,600	38.0	3,405	Van Buren	47,200	46,700	36.0	1,681
WC District	1,182,000	1,176,000	39.3	46,158	Wapello	44,900	44,700	37.7	1,687
Boone	117,000	116,500	39.9	4,647	Washington	69,300	69,100	42.0	2,903
Dallas	110,000	109,400	35.6	3,898	SE District	627,000	623,000	39.6	24,658
Grundy	117,000	116,500	41.7	4,857					
Hamilton	127,000	126,100	40.2	5,065					
Hardin	115,000	114,500	41.7	4,780					
Jasper	104,000	103,500	40.1	4,147					
					State	8,200,000	8,150,000	38.0	309,700

Iowa Soybeans: Acreage, Yield, And Production, By County, 1986¹

County and district	Planted for all purposes	Harvested for beans	Yield per acre	Pro-duction	County and district	Planted for all purposes	Harvested for beans	Yield per acre	Pro-duction
	Acres		Bu.	000/bu.		Acres		Bu.	000/bu.
Buena Vista	133,000	132,900	42.0	5,583	Marshall	97,600	97,500	45.0	4,391
Cherokee	106,000	105,900	45.4	4,809	Polk	85,500	83,300	40.4	3,369
Clay	135,000	134,800	38.6	5,206	Poweshiek	91,900	91,800	39.1	3,592
Dickinson	76,400	76,200	39.3	2,996	Story	133,000	130,700	40.1	5,247
Emmet	97,400	97,000	42.8	4,154	Tama	117,000	116,600	44.4	5,173
Lyon	117,000	116,900	39.9	4,665	Webster	179,000	178,400	42.5	7,587
O'Brien	142,000	141,900	41.6	5,898	<u>C District</u>	<u>1,434,000</u>	<u>1,425,000</u>	<u>42.4</u>	<u>60,420</u>
Osceola	98,200	97,300	37.6	3,658	Benton	135,000	134,500	43.9	5,909
Palo Alto	138,000	137,600	42.0	5,778	Cedar	82,200	81,800	42.9	3,507
Plymouth	137,000	136,500	43.3	5,913	Clinton	79,600	78,900	41.3	3,261
Pocahontas	153,000	152,100	40.2	6,114	Iowa	57,900	57,700	39.7	2,291
Sioux	124,000	123,900	44.9	5,565	Jackson	9,800	9,500	38.5	366
<u>NW District</u>	<u>1,457,000</u>	<u>1,453,000</u>	<u>41.5</u>	<u>60,339</u>	Johnson	62,000	61,800	38.9	2,404
Butler	96,200	96,100	42.5	4,082	Jones	44,700	44,500	42.9	1,911
Cerro Gordo	123,000	122,800	41.2	5,055	Linn	95,000	94,600	41.1	3,886
Floyd	111,000	110,800	39.3	4,356	Muscatine	60,500	59,500	40.5	2,412
Franklin	143,000	142,700	43.4	6,187	Scott	48,300	48,200	46.9	2,260
Hancock	141,000	140,900	41.2	5,806	<u>EC District</u>	<u>675,000</u>	<u>671,000</u>	<u>42.0</u>	<u>28,207</u>
Humboldt	111,000	110,600	40.2	4,450	Adair	71,900	71,800	42.0	3,016
Kossuth	282,000	279,100	42.2	11,773	Adams	54,800	54,500	40.0	2,178
Mitchell	82,700	82,600	40.4	3,333	Cass	81,000	80,900	42.6	3,443
Winnebago	104,000	102,700	37.7	3,974	Fremont	114,000	109,200	44.9	4,900
Worth	88,100	88,000	39.3	3,454	Mills	102,000	101,400	41.8	4,240
Wright	168,000	166,700	41.8	6,973	Montgomery	81,400	81,200	41.9	3,399
<u>NC District</u>	<u>1,450,000</u>	<u>1,443,000</u>	<u>41.1</u>	<u>59,343</u>	Page	91,000	90,700	43.1	3,910
Allamakee	4,400	4,400	38.4	169	Pottawattamie	167,000	166,400	44.1	7,338
Black Hawk	94,500	92,900	45.3	4,207	Taylor	77,900	76,900	36.0	2,765
Bremer	63,200	63,000	43.2	2,724	<u>SW District</u>	<u>841,000</u>	<u>833,000</u>	<u>42.2</u>	<u>35,189</u>
Buchanan	68,100	67,900	43.9	2,983	Appanoose	30,400	30,100	37.6	1,133
Chickasaw	65,200	65,000	38.3	2,490	Clarke	34,800	32,800	29.3	960
Clayton	5,400	5,300	38.7	205	Decatur	42,000	41,900	39.0	1,634
Delaware	28,300	28,200	45.1	1,272	Lucas	27,500	27,400	35.7	977
Dubuque	3,100	3,100	44.8	139	Madison	59,300	59,200	41.3	2,442
Fayette	79,700	79,400	42.4	3,369	Marion	59,800	59,400	40.6	2,409
Howard	81,200	81,000	35.4	2,866	Monroe	23,600	23,400	36.9	863
Winneshiek	18,900	18,800	39.8	748	Ringgold	57,400	57,200	35.2	2,014
<u>NE District</u>	<u>512,000</u>	<u>509,000</u>	<u>41.6</u>	<u>21,172</u>	Union	37,500	37,300	34.2	1,277
Audubon	73,300	73,200	40.8	2,988	Warren	52,600	52,300	40.6	2,124
Calhoun	150,000	149,500	41.7	6,235	Wayne	52,100	52,000	37.9	1,972
Carroll	109,000	108,400	44.5	4,825	<u>SC District</u>	<u>477,000</u>	<u>473,000</u>	<u>37.6</u>	<u>17,805</u>
Crawford	97,000	96,900	43.8	4,248	Davis	46,100	45,900	35.7	1,637
Greene	146,000	145,000	42.7	6,198	Des Moines	49,600	49,500	43.2	2,139
Guthrie	75,500	74,600	40.0	2,985	Henry	67,200	66,400	42.0	2,792
Harrison	112,000	110,200	40.0	4,410	Jefferson	72,200	71,900	37.6	2,701
Ida	76,900	76,700	45.5	3,493	Keokuk	66,900	65,300	41.0	2,678
Monona	113,000	112,800	40.1	4,525	Lee	65,600	65,200	38.4	2,506
Sac	128,000	127,600	44.9	5,726	Louisa	60,600	60,500	39.3	2,378
Shelby	91,800	91,700	44.7	4,098	Mahaska	86,800	86,400	41.7	3,606
Woodbury	96,500	96,400	38.7	3,734	Van Buren	49,500	49,400	36.0	1,780
<u>WC District</u>	<u>1,269,000</u>	<u>1,263,000</u>	<u>42.3</u>	<u>53,465</u>	Wapello	47,800	47,100	39.9	1,880
Boone	120,000	118,900	42.3	5,032	Washington	72,700	72,400	42.7	3,088
Dallas	113,000	112,200	41.2	4,621	<u>SE District</u>	<u>685,000</u>	<u>680,000</u>	<u>40.0</u>	<u>27,185</u>
Grundy	124,000	123,800	46.0	5,697		8,800,000		41.5	
Hamilton	133,000	132,400	41.5	5,490	State		8,750,000		363,125
Hardin	123,000	122,800	44.9	5,516					
Jasper	117,000	116,600	40.4	4,705					

¹Preliminary.

Iowa All Wheat: Acreage, Yield, And Production, By County, 1985

County and district	Planted for all purposes	Har-vested	Yield per acre	Pro-duction	County and district	Planted for all purposes	Har-vested	Yield per acre	Pro-duction
----- Acres ----- --- Bushels ---					----- Acres ----- --- Bushels ---				
Buena Vista	200	200	45.0	9,000	Marshall	*			
Cherokee	*				Polk	650	550	44.5	24,500
Clay	200	200	43.0	8,600	Poweshiek	*			
Dickinson	150	150	43.3	6,500	Story	*			
Emmet	*				Tama	350	300	49.3	14,800
Lyon	700	600	43.3	26,000	Webster	*			
O'Brien	*				<u>C District</u>	<u>2,300</u>	<u>2,000</u>	<u>44.5</u>	<u>89,000</u>
Osceola	200	200	43.0	8,600	Benton	500	450	55.1	24,800
Palo Alto	250	200	43.0	8,600	Cedar	250	200	61.0	12,200
Plymouth	1,000	800	46.0	36,800	Clinton	400	350	60.9	21,300
Pocahontas	*				Iowa	600	550	57.6	31,700
Sioux	450	400	43.3	17,300	Jackson	500	450	60.9	27,400
<u>NW District</u>	<u>3,300</u>	<u>2,900</u>	<u>44.1</u>	<u>128,000</u>	Johnson	950	850	58.5	49,700
Butler	150	150	44.7	6,700	Jones	700	600	61.0	36,600
Cerro Gordo	*				Linn	600	500	58.0	29,000
Floyd	250	250	48.0	12,000	Muscatine	950	850	58.8	50,000
Franklin	300	250	48.0	12,000	Scott	350	300	61.0	18,300
Hancock	*				<u>EC District</u>	<u>5,800</u>	<u>5,100</u>	<u>59.0</u>	<u>301,000</u>
Humboldt	*				Adair	1,100	1,100	40.0	44,000
Kossuth	*				Adams	2,000	2,000	43.0	86,000
Mitchell	1,200	1,100	48.0	52,800	Cass	3,300	3,300	39.4	130,000
Winnebago	500	450	49.6	22,300	Fremont	4,000	4,000	47.8	191,000
Worth	*				Mills	3,000	3,000	48.0	144,000
Wright	*				Montgomery	4,100	4,100	45.1	185,000
<u>NC District</u>	<u>2,700</u>	<u>2,500</u>	<u>48.0</u>	<u>120,000</u>	Page	6,400	6,200	48.7	302,000
Allamakee	*				Pottawattamie	4,400	4,000	42.0	169,000
Black Hawk	450	400	50.8	20,300	Taylor	4,900	4,900	44.9	220,000
Bremer	150	150	47.3	7,100	<u>SW District</u>	<u>33,200</u>	<u>32,600</u>	<u>45.1</u>	<u>1,470,000</u>
Buchanan	150	150	50.7	7,600	Appanoose	2,000	1,900	47.4	90,000
Chickasaw	*				Clarke	950	900	40.0	36,000
Clayton	*				Decatur	3,500	3,300	41.8	138,000
Delaware	200	200	55.0	11,000	Lucas	650	600	40.0	24,000
Dubuque	100	100	53.0	5,300	Madison	1,100	1,000	43.0	43,000
Fayette	250	200	48.0	9,600	Marion	850	800	47.5	38,000
Howard	100	100	48.0	4,800	Monroe	950	800	47.5	38,000
Winnesiek	150	150	48.0	7,200	Ringgold	5,800	5,100	43.1	220,000
<u>NE District</u>	<u>1,700</u>	<u>1,600</u>	<u>50.0</u>	<u>80,000</u>	Union	1,700	1,600	40.0	64,000
Audubon	700	650	45.1	29,300	Warren	2,200	2,000	46.0	92,000
Calhoun	100	100	42.0	4,200	Wayne	2,300	2,100	45.7	96,000
Carroll	200	200	39.5	7,900	<u>SC District</u>	<u>22,000</u>	<u>20,100</u>	<u>43.7</u>	<u>879,000</u>
Crawford	1,100	1,000	41.7	41,700	Davis	4,600	4,200	52.4	220,000
Greene	400	400	38.0	15,200	Des Moines	3,400	3,200	56.3	180,000
Guthrie	1,000	950	38.0	36,100	Henry	2,600	2,200	54.5	120,000
Harrison	3,700	3,500	42.6	149,000	Jefferson	3,600	3,200	53.1	170,000
Ida	100	100	42.0	4,200	Keokuk	2,700	2,500	52.0	130,000
Monona	3,400	3,200	41.3	132,000	Lee	7,900	7,300	56.0	409,000
Sac	500	500	41.8	20,900	Louisa	1,700	1,400	53.6	75,000
Shelby	500	500	45.0	22,500	Mahaska	200	200	55.0	11,000
Woodbury	1,300	1,300	45.4	59,000	Van Buren	6,100	5,700	54.7	312,000
<u>WC District</u>	<u>13,000</u>	<u>12,400</u>	<u>42.1</u>	<u>522,000</u>	Wapello	1,400	1,300	53.8	70,000
Boone	250	200	42.5	8,500	Washington	1,800	1,600	56.3	90,000
Dallas	300	250	42.4	10,600	<u>SE District</u>	<u>36,000</u>	<u>32,800</u>	<u>54.5</u>	<u>1,787,000</u>
Grundy	*								
Hamilton	*				State	120,000		48.0	
Hardin	*						112,000		5,376,000
Jasper	300	250	42.0	10,500					

*Less than 100 harvested acres not published.

Iowa All Wheat: Acreage, Yield, And Production, By County, 1986¹

County and district	Planted for all purposes	Harvested	Yield per acre	Production	County and district	Planted for all purposes	Harvested	Yield per acre	Production
	Acres		Bushels			Acres		Bushels	
Buena Vista	*				Marshall	*			
Cherokee	*				Polk	300	300	27.3	8,200
Clay	*				Poweshiek	*			
Dickinson	*				Story	*			
Emmet	*				Tama	150	100	34.0	3,400
Lyon	300	250	36.4	9,100	Webster	*			
O'Brien	*				C District	1,200	900	30.0	27,000
Osceola	250	200	33.0	6,600	Benton	200	150	30.7	4,600
Palo Alto	*				Cedar	*			
Plymouth	400	300	30.3	9,100	Clinton	250	100	28.0	2,800
Pocahontas	*				Iowa	250	150	35.3	5,300
Sioux	350	200	30.5	6,100	Jackson	500	350	32.3	11,300
NW District	1,700	1,200	31.7	38,000	Johnson	400	300	28.3	8,500
Butler	*				Jones	300	200	37.5	7,500
Cerro Gordo	*				Linn	250	200	29.5	5,900
Floyd	100	100	29.0	2,900	Muscatine	500	400	36.8	14,700
Franklin	200	150	32.0	4,800	Scott	*			
Hancock	*				SE District	2,900	2,000	33.0	66,000
Humboldt	*				Adair	500	300	26.7	8,000
Kossuth	*				Adams	2,000	1,500	24.0	36,000
Mitchell	650	450	33.1	14,900	Cass	2,500	2,000	27.5	55,000
Winnebago	200	150	32.0	4,800	Fremont	4,000	3,400	30.0	102,000
Worth	*				Mills	3,000	2,700	31.1	84,000
Wright	*				Montgomery	4,100	3,200	31.9	102,000
NC District	1,400	1,000	32.0	32,000	Page	4,800	3,900	27.9	109,000
Allamakee	*				Pottawattamie	3,200	2,700	31.9	86,000
Black Hawk	150	100	41.0	4,100	Taylor	5,200	3,800	21.1	80,000
Bremer	*				SW District	29,300	23,500	28.2	662,000
Buchanan	150	150	38.0	5,700	Appanoose	1,700	900	24.4	22,000
Chickasaw	*				Clarke	400	200	25.0	5,000
Clayton	*				Decatur	4,200	2,500	24.4	61,000
Delaware	*				Lucas	800	600	25.0	15,000
Dubuque	*				Madison	650	350	24.6	8,600
Fayette	150	100	37.0	3,700	Marion	450	350	25.4	8,900
Howard	*				Monroe	800	600	28.5	17,100
Winneshiek	*				Ringgold	6,000	4,200	22.9	96,000
NE District	900	700	37.1	26,000	Union	1,200	950	20.5	19,500
Audubon	300	150	32.0	4,800	Warren	1,000	550	25.1	13,800
Calhoun	*				Wayne	1,800	1,000	22.1	22,100
Carroll	*				SC District	19,000	12,200	23.7	289,000
Crawford	600	550	32.2	17,700	Davis	3,500	2,000	23.5	47,000
Greene	200	200	33.5	6,700	Des Moines	2,500	750	34.7	26,000
Guthrie	650	550	27.3	15,000	Henry	1,100	650	34.9	22,700
Harrison	1,800	1,100	27.3	30,000	Jefferson	3,600	1,900	28.9	55,000
Ida	200	200	28.0	5,600	Keokuk	2,700	1,600	29.4	47,000
Monona	2,400	1,700	35.9	61,000	Lee	3,200	1,000	25.0	25,000
Sac	200	150	32.0	4,800	Louisa	1,200	900	33.8	27,000
Shelby	200	200	32.5	6,500	Mahaska	100	100	25.0	2,500
Woodbury	1,100	900	23.8	21,400	Van Buren	6,100	2,700	26.7	72,000
WC District	7,800	5,800	30.5	177,000	Wapello	1,000	600	31.2	18,700
Boone	150	100	31.0	3,100	Washington	800	600	33.5	20,100
Dallas	200	150	26.0	3,900	SE District	25,800	12,700	28.6	363,000
Grundy	*					90,000		28.0	
Hamilton	*				State		60,000		1,680,000
Hardin	*								
Jasper	150	100	36.0	3,600					

¹Preliminary. *Less than 100 harvested acres not published.

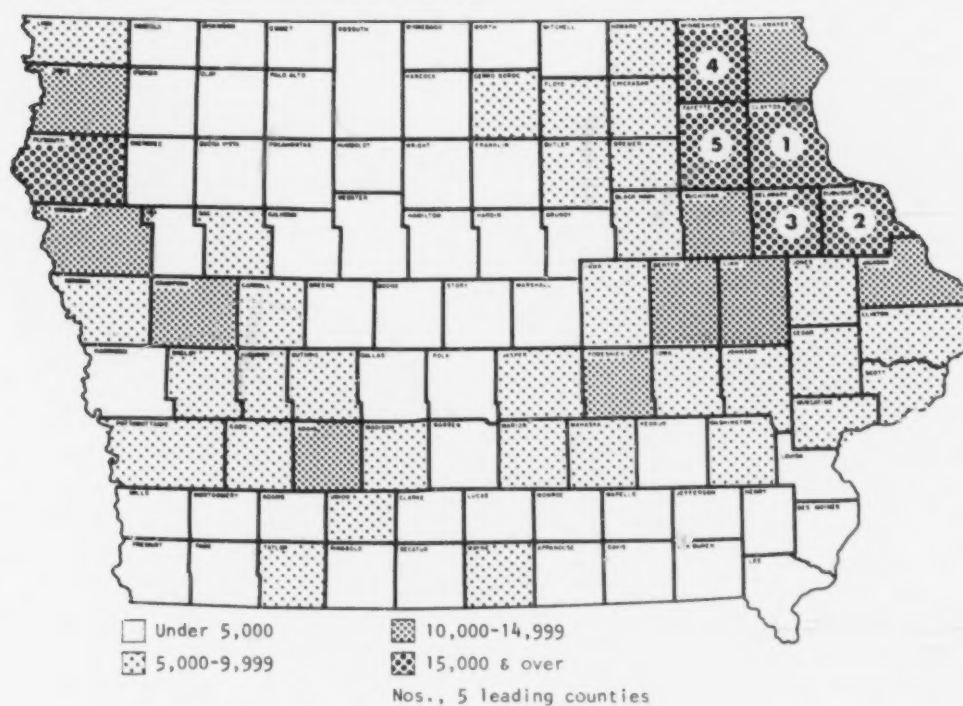
Map of Texas showing population density by county for 1980. The map is divided into counties, each shaded according to its population range. A legend at the bottom indicates four population ranges: Under 99,999 (white), 100,000-149,999 (dots), 150,000-174,999 (cross-hatch), and 175,000 & over (dense dots). Five counties are highlighted with a thick border: Harris, Dallas, Tarrant, Bexar, and El Paso. The map shows a high concentration of population in the eastern and central parts of the state, particularly in the five leading counties.

Legend:

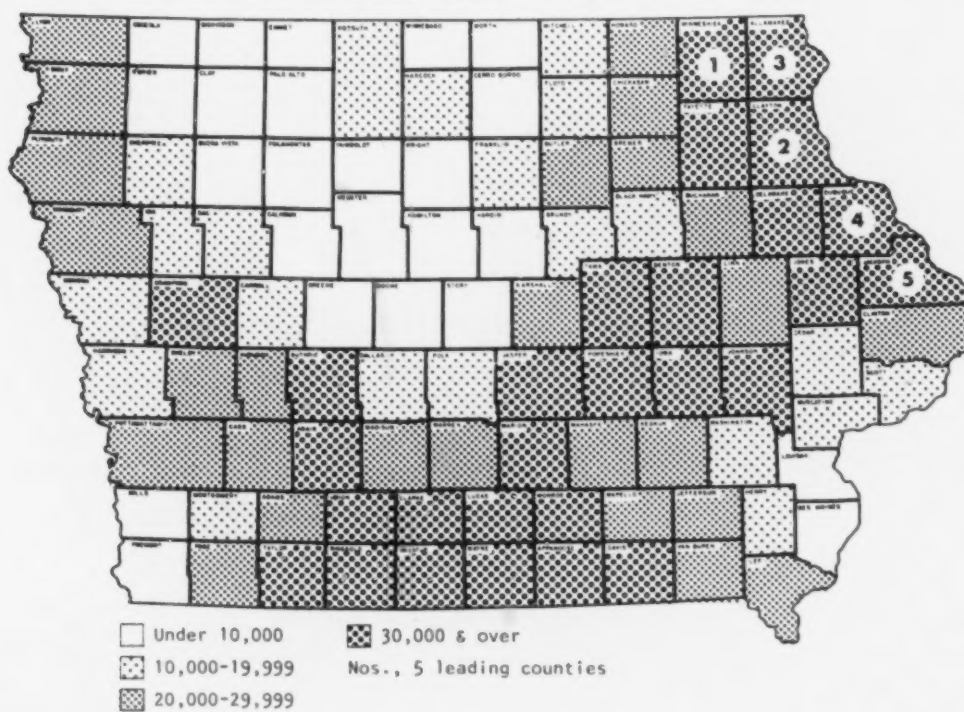
- Under 60,000
- 60,000-89,999
- 90,000-119,999
- 120,000 & over

Nos. 1-5 leading counties

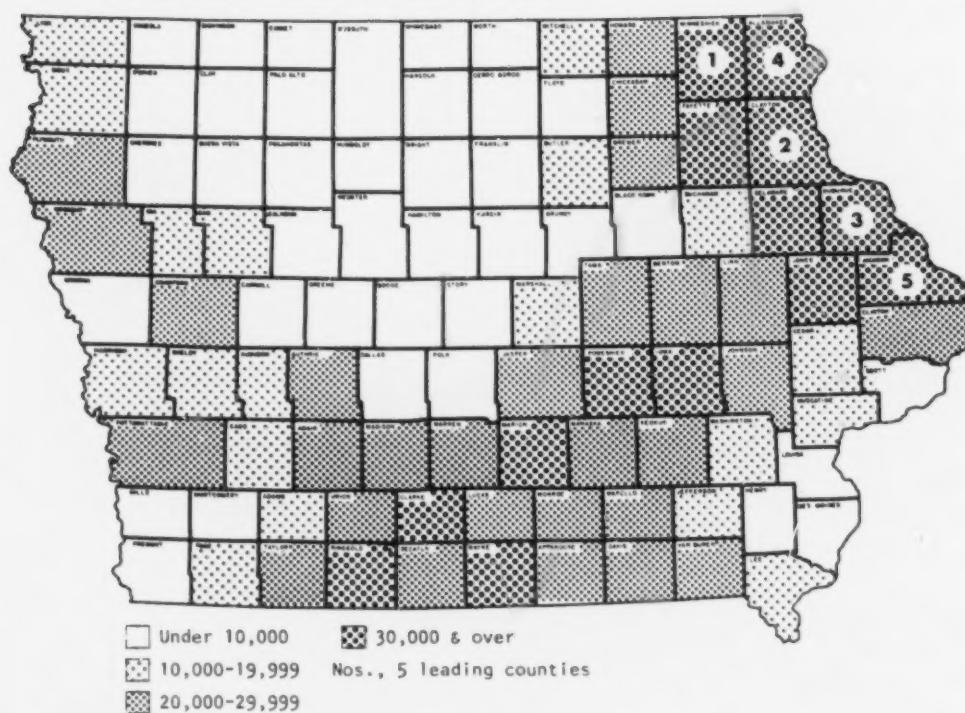
Iowa Oats: Acres Harvested, 1986



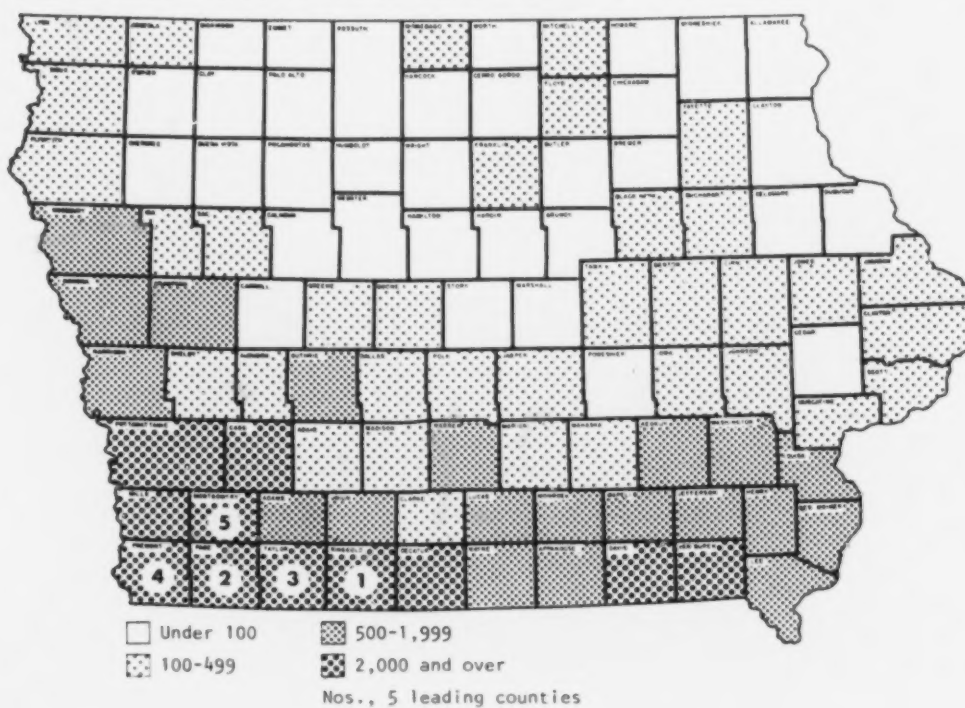
Iowa All Hay: Acres Harvested, 1986



Iowa Alfalfa Hay: Acres Harvested, 1986



Iowa Wheat: Acres Harvested For Grain, 1986



Iowa Grain Storage Facilities, January 1¹

Number of Facilities and Rated Storage Capacities							
Year	Number of Facilities ²	Off-Farm Capacity (000 bu.)	On-Farm Capacity (000 bu.)	Year	Number of Facilities ²	Off-Farm Capacity (000 bu.)	On-Farm Capacity (000 bu.)
1963		359,800		1976		557,000	
1964		348,300		1977 ³	1,184	587,900	
1965		351,800		1978	1,150	635,000	
1966		359,000		1979	1,120	677,500	
1967		359,500		1980	1,090	705,150	
1968		370,700		1981	1,110	735,000	
1969		404,050		1982	1,037	738,707	
1970		437,600		1983	1,024	874,460	
1971		442,600		1984	1,009	905,330	
1972		443,000		1985	976	875,970	
1973		486,000		1986 ⁴ (Jan)	941	902,930	1,975,922
1974		502,000		1986 (Dec)	931	1,084,790	2,020,294
1975		524,000					

¹Annual estimate changed from January 1 to December 1 in 1986. ²One facility may include several elevators, but records are maintained at one central location. ³Number of facilities not available before 1977. ⁴On-farm capacity not available before 1986.

Oat Varieties

Percent of District Acreage Seeded to Each Variety								
District	1986 Oats Harvested For Grain (000 Acres) ¹	Ogle	Multiline E Series	Lang	Larry	Nodaway 70	Otee	Noble
Northwest	62	15.6%	9.2%	14.8%	1.7%	24.1%	*	4.5%
North Central	47	24.7%	20.8%	12.3%	9.2%	1.4%	*	5.8%
Northeast	170	21.1%	15.3%	12.2%	11.1%	1.3%	2.0%	5.3%
West Central	85	17.2%	10.7%	8.2%	6.3%	14.7%	12.0%	3.5%
Central	52	21.9%	14.4%	17.3%	6.7%	1.4%	4.0%	1.9%
East Central	87	4.7%	18.5%	11.8%	9.2%	3.8%	6.4%	4.7%
Southwest	41	6.8%	15.6%	18.4%	17.1%	3.5%	8.8%	2.2%
South Central	50	7.0%	5.7%	30.2%	4.8%	5.4%	10.5%	1.7%
Southeast	36	16.5%	7.4%	16.3%	11.0%	1.1%	7.7%	6.9%
State	630	16.0%	14.3%	13.9%	9.0%	5.4%	5.0%	4.4%

District	Stout	Multiline M Series	Clintford	Webster	Chief	Preston	Garland	Other and Unknown
Northwest	3.3%	1.2%	*	*	8.5%	0.9%	0.9%	15.3%
North Central	1.1%	5.2%	0.7%	5.1%	0.6%	*	*	12.1%
Northeast	7.3%	2.6%	2.9%	3.3%	0.9%	3.6%	3.2%	7.9%
West Central	2.3%	2.9%	2.8%	1.3%	2.5%	*	*	15.6%
Central	5.0%	2.5%	3.8%	2.0%	*	*	1.0%	18.1%
East Central	2.7%	8.6%	10.1%	1.9%	*	2.7%	*	14.9%
Southwest	3.0%	*	*	*	3.0%	*	0.8%	20.8%
South Central	2.5%	*	*	3.9%	7.9%	*	*	20.4%
Southeast	1.5%	4.9%	*	2.7%	*	*	3.5%	20.5%
State	4.0%	3.6%	3.3%	2.5%	1.9%	1.7%	1.4%	13.6%

¹Preliminary. *Accounted for less than one-half of one percent, included in with other and unknown varieties.

Corn for Grain: Harvesting and Handling Methods

**CORN FOR GRAIN: PERCENT OF ACREAGE HARVESTED BY DESIGNATED METHODS IN IOWA,
BY DISTRICTS, 1983-1986**

District	Mechanical Picker				Combine or Field Picker-Sheller				Ground Ear and Other Methods			
	1983	1984	1985	1986	1983	1984	1985	1986	1983	1984	1985	1986 ¹
	Percent											
NW	16.4	15.6	13.4	15.1	80.2	82.9	85.2	83.2	3.4	1.5	1.4	1.7
NC	7.7	6.5	6.0	6.0	92.2	92.3	93.9	92.8	0.1	1.2	0.1	0.4
NE	10.8	7.2	6.3	6.2	87.8	92.3	93.1	93.0	1.4	0.5	0.6	0.8
WC	11.9	11.3	10.9	11.6	84.9	88.7	87.9	87.0	3.2	-	1.2	1.4
C	10.2	8.3	12.5	10.3	89.8	91.6	87.3	89.6	-	0.1	0.2	0.1
EC	14.1	11.1	12.6	8.2	85.6	88.1	86.7	90.6	0.3	0.8	0.7	1.2
SW	5.9	5.9	6.8	5.0	92.8	94.1	91.9	91.2	1.3	-	1.3	3.8
SC	6.6	5.0	4.4	3.0	93.0	95.0	95.6	97.0	0.4	-	0.0	0.0
SE	6.8	14.1	9.9	13.1	90.9	85.8	89.4	86.9	2.3	0.1	0.7	0.0
IOWA	10.8	9.8	9.7	9.4	87.7	89.6	89.5	89.6	1.5	0.6	0.8	1.0

¹Other methods or unknown accounted for an insignificant portion of this total.

CORN FOR GRAIN: HANDLING METHODS AT HARVEST, AS PERCENT OF TOTAL IOWA PRODUCTION, BY DISTRICTS, 1983-86

CHURN FOR GRAIN: MARKETING METHODS AT HARVEST, BY FARMER, OR TOTAL ACRE PRODUCTION, BY DISTRICT, 1983-86																
District	Marketed direct				Stored on farms								Stored by producer			
	from field				In silos				In cribs, bins, or piles				off farm			
	1983	1984	1985	1986	1983	1984	1985	1986	1983	1984	1985	1986	1983	1984	1985	1986
Percent																
NW	7.8	12.4	10.0	5.8	9.4	10.0	4.7	7.2	72.4	68.6	69.3	78.5	10.4	9.0	16.0	8.5
NC	15.7	11.7	10.4	5.7	2.2	3.8	1.7	1.5	74.9	75.7	75.3	83.1	7.2	8.8	12.6	9.7
NE	14.5	17.3	11.4	6.9	10.6	6.3	5.7	7.8	70.9	69.2	70.7	74.4	4.0	7.2	12.2	10.9
WC	11.4	20.3	10.4	6.8	8.3	5.0	4.6	7.4	71.1	60.0	65.9	69.0	9.2	14.7	19.1	16.6
C	17.1	11.8	12.3	8.4	1.5	2.3	3.0	2.0	71.4	66.6	64.7	74.3	10.0	19.3	20.0	15.3
EC	23.7	20.2	11.8	10.4	7.1	3.7	8.4	6.5	63.8	68.4	71.9	72.6	5.4	7.7	7.9	10.5
SW	9.8	9.4	8.7	6.1	6.5	4.2	5.9	10.5	78.3	80.2	71.8	76.9	5.4	6.2	13.6	6.5
SC	13.7	28.9	23.8	6.7	5.7	7.3	8.2	2.9	78.2	59.5	53.3	67.5	2.4	4.3	14.7	22.9
SE	7.4	17.1	12.4	7.8	12.6	2.4	3.8	8.3	77.1	71.8	71.3	69.5	2.9	8.7	12.5	14.4
IOWA	10.3	15.7	11.6	7.2	6.7	4.9	4.8	5.8	71.9	68.8	69.0	74.7	7.4	10.6	14.6	11.1

CORN FOR GRAIN: DRYING OF CORN AS A PERCENT OF TOTAL IOWA PRODUCTION BY DISTRICTS, 1983-86

District	Naturally in field or storage				Artificially on farm				Artificially off farm			
	1983	1984	1985 ¹	1986	1983	1984	1985 ¹	1986	1983	1984	1985 ¹	1986
	Percent											
NW	30.7	21.3	18.8	21.0	69.2	77.3	55.3	65.6	0.1	1.4	25.9	13.4
NC	12.8	8.0	7.3	8.4	87.1	91.7	73.9	79.0	0.1	0.3	18.8	12.6
NE	15.8	9.3	14.9	15.8	83.6	90.3	68.9	71.2	0.6	0.4	16.2	13.0
WC	22.6	23.1	17.9	21.3	77.1	76.9	55.0	56.9	0.3	-	27.1	21.8
C	14.7	9.4	11.3	9.7	85.0	90.0	62.4	68.6	0.3	0.6	26.3	21.7
EC	22.5	12.6	22.7	15.1	76.9	86.8	65.7	72.6	0.6	0.6	11.4	12.3
SW	20.4	12.3	21.4	19.5	79.6	87.5	65.9	67.6	-	0.2	12.9	12.9
SC	10.5	15.3	13.7	9.2	89.0	84.7	55.4	61.9	0.4	-	30.9	28.9
SE	8.5	11.4	11.0	16.4	91.1	88.4	69.5	63.8	0.3	0.2	19.5	19.8
IOWA	19.2	13.6	15.3	15.3	80.5	85.9	63.6	68.1	0.3	0.5	21.1	16.6

¹Prior to 1985, drying included only grain stored on farm. In 1985, questions were changed to include all corn dried on or off farm.

CORN FOR GRAIN: BY DRYING METHOD AS A PERCENT OF GRAIN DRIED ON FARM, BY DISTRICTS, 1983-86

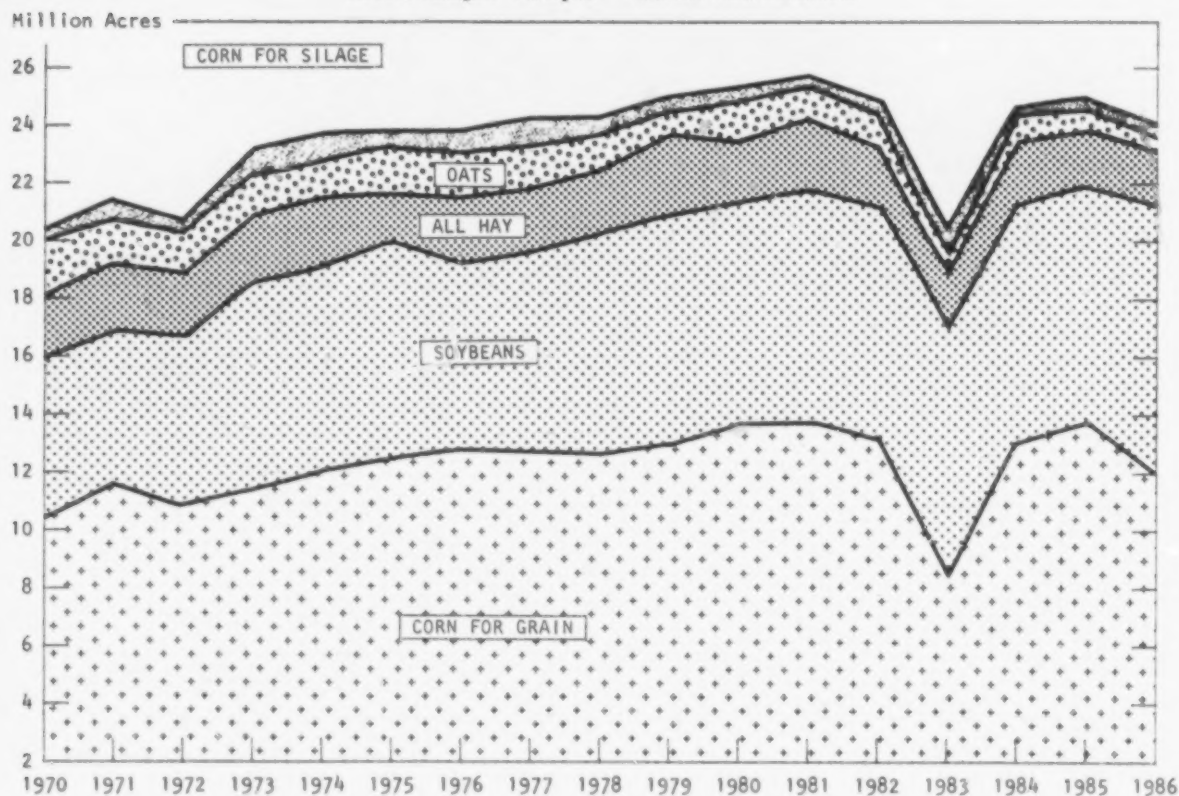
District	Low heat				High heat				Both low and high heat			
	1983	1984	1985	1986	1983	1984	1985	1986	1983	1984	1985	1986
NW	30.1	17.8	24.5	14.7	40.5	58.8	60.3	63.8	29.4	23.4	25.2	21.5
NC	18.2	13.5	10.5	7.5	48.3	63.8	77.8	72.8	33.5	22.7	11.7	19.7
NE	17.3	13.2	8.4	11.3	55.3	61.9	70.5	72.0	27.4	24.9	21.1	16.7
WC	62.4	47.0	41.1	35.7	10.7	38.1	30.3	48.8	26.9	14.9	28.6	15.5
C	22.7	18.7	12.4	20.2	53.8	57.5	68.0	60.1	23.5	23.8	19.6	19.7
EC	23.4	21.4	12.5	12.7	51.9	58.1	60.8	63.3	24.7	20.5	26.7	24.0
SW	48.6	35.9	22.1	31.3	27.6	41.3	43.1	39.9	23.8	22.8	34.8	28.8
SC	56.9	27.8	26.3	21.7	10.6	39.1	44.2	53.3	32.5	33.1	29.5	25.0
SE	29.9	15.4	19.1	21.7	33.8	50.7	58.9	59.2	36.3	33.9	22.0	19.1
IOWA	31.1	22.4	17.9	18.8	41.0	54.3	58.7	60.8	27.9	23.3	23.4	20.4

Iowa Fertilizer Distribution

Fertilizer	July '85-Dec. '85	Jan. '86-June '86	July '86-Dec. '86
Most popular straight materials			
Anhydrous ammonia	54,202	565,879	61,470
Ammonium nitrate	5,276	27,577	3,736
Ammonium sulphate	1,494	8,403	1,759
Ammonium thiosulfate	1,461	6,710	527
Urea	22,830	224,933	34,114
Nitrogen solution 28%	91,373	432,712	140,949
Nitrogen solution 30%	11	2,855	20
Nitrogen solution 32%	22,307	98,731	17,262
Ammonium phosphates			
10 - 30 - 00 liquid	461	5,181	474
10 - 34 - 00 liquid	7,211	54,618	8,545
12 - 36 - 00 liquid	52	4,510	88
11 - 52 - 00 dry	33,997	37,492	26,399
11 - 53 - 00 dry	488	1,099	-
18 - 46 - 00 dry	150,054	229,332	119,674
Triple superphosphate	25,046	17,048	18,021
Phosphoric acid 54%	142	1,700	135
Muriate of potash	291,042	339,514	235,119
Other straight materials	7,090	29,467	8,582
Other straight materials w/micro	187	1,584	174
Total straight material	714,725	2,089,344	677,046
Most popular mixed grades & suspensions			
2 - 6 - 35 suspens	1,381	12,835	894
3 - 9 - 27 suspens	2	5,726	52
3 - 9 - 32 suspens	496	6,553	398
3 - 10 - 30 suspens	4,823	30,593	4,921
7 - 21 - 7 liquid	635	25,451	278
7 - 23 - 5 liquid	627	6,169	203
9 - 18 - 9 liquid	2,469	8,116	2,043
6 - 24 - 24 dry	1,718	14,560	1,387
8 - 32 - 16 dry	787	6,486	294
9 - 23 - 30 dry	1,006	4,358	438
20 - 10 - 10 dry	1,059	8,827	1,390
Other mixed materials	28,677	122,393	18,478
Other mixed materials w/micro	608	10,618	311
Total mixed grades & susp.	44,289	264,685	31,087
Grand totals	759,014	2,354,030	708,132
Dry fertilizer			
Straight materials	533,474	899,373	445,269
Mixed grades	22,151	111,063	14,954
Total dry fertilizer	555,625	1,010,435	460,223
Liquid fertilizer			
Straight materials	181,251	1,189,972	231,777
Mixed grades	11,505	75,232	5,866
Liquid suspensions	10,634	78,391	10,266
Total liquid fertilizer	203,389	1,343,594	247,910
Micro-nutrients			
Calcium	79	37	11
Magnesium	2	60	2
Sulfur	1,134	2,029	367
Boron	15	40	69
Copper	2	12	-
Iron	16	17	2
Manganese	3	23	4
Zinc	608	940	125
Gypsum	971	1,613	1,277
Mixed or other	240	1,184	377
Total micro-nutrients *	3,069	5,956	2,233

* Not included in grand total.

Iowa Major Crops: Acres Harvested



Principal Crop Land Harvested in Iowa, By Districts

District	Acres harvested ¹				
	1982	1983	1984	1985 ^{2 3}	1986 ^{2 4}
Northwest	3,656,020	2,796,420	3,505,200	3,549,150	3,369,350
North Central	3,353,700	2,608,550	3,282,250	3,297,300	3,164,400
Northeast	2,796,960	2,254,420	2,791,230	2,820,150	2,713,050
West Central	3,609,780	2,765,870	3,432,500	3,486,650	3,340,250
Central	3,529,460	2,750,220	3,418,950	3,450,250	3,353,050
East Central	2,570,030	2,062,050	2,571,170	2,589,900	2,465,100
Southwest	2,143,500	1,687,900	2,052,200	2,092,200	2,039,900
South Central	1,623,520	1,401,540	1,670,200	1,692,600	1,691,550
Southeast	2,035,530	1,646,030	2,000,300	2,061,800	1,959,350
State	25,318,500	19,973,000	24,724,000	25,040,000	24,096,000

¹All acres harvested for corn, soybeans, oats, hay, sorghum, wheat, rye, and potatoes. Does not include idle land, pasture, government set-aside, abandoned or plowed under, etc. ²Excludes sorghum. ³Revised. ⁴Preliminary.

Principal Cropland Harvested in Iowa, 1985-86

County and district	Acres harvested ¹		County and district	Acres harvested ¹	
	1985 ²	1986 ³		1985 ²	1986 ³
Buena Vista	297,110	289,150	Marshall	268,300	268,540
Cherokee	265,570	251,730	Polk	195,880	186,820
Clay	276,810	268,160	Poweshiek	264,910	265,760
Dickinson	180,560	168,350	Story	301,800	290,120
Emmet	229,140	213,620	Tama	345,030	329,820
Lyon	302,820	290,060	Webster	341,070	338,020
O'Brien	313,170	302,830	<u>C District</u>	<u>3,450,250</u>	<u>3,353,050</u>
Osceola	212,830	202,310	Benton	369,100	357,500
Palo Alto	324,230	303,680	Cedar	265,850	253,600
Plymouth	419,030	394,820	Clinton	334,800	306,250
Pocahontas	325,250	310,620	Iowa	242,900	241,700
Sioux	402,630	374,020	Jackson	202,800	198,500
<u>NW District</u>	<u>3,549,150</u>	<u>3,369,350</u>	Johnson	238,100	226,350
Butler	292,890	280,380	Jones	250,750	233,050
Cerro Gordo	302,200	285,230	Linn	281,950	271,050
Floyd	264,890	257,030	Muscatine	205,800	193,200
Franklin	317,670	305,960	Scott	197,850	183,900
Hancock	324,350	309,720	<u>EC District</u>	<u>2,589,900</u>	<u>2,465,100</u>
Humboldt	240,140	227,820	Adair	227,200	224,570
Kossuth	552,530	536,780	Adams	140,860	140,040
Mitchell	236,520	223,260	Cass	233,560	226,340
Winnebago	222,070	221,160	Fremont	235,360	225,540
Worth	212,400	203,740	Mills	208,160	206,940
Wright	331,640	313,320	Montgomery	176,660	180,740
<u>NC District</u>	<u>3,297,300</u>	<u>3,164,400</u>	Page	213,460	212,640
Allamakee	169,730	173,600	Pottawattamie	459,560	430,940
Black Hawk	276,860	258,440	Taylor	197,380	192,150
Bremer	209,890	205,180	<u>SW District</u>	<u>2,092,200</u>	<u>2,039,900</u>
Buchanan	286,390	266,780	Appanoose	120,540	117,030
Chickasaw	237,000	230,860	Clarke	120,840	121,530
Clayton	284,880	277,160	Decatur	147,040	151,330
Delaware	284,040	263,390	Lucas	118,140	120,330
Dubuque	226,360	224,370	Madison	193,840	189,680
Fayette	335,070	319,330	Marion	185,270	185,800
Howard	230,440	225,350	Monroe	106,940	110,630
Winneshiek	279,490	268,590	Ringgold	181,940	187,630
<u>NE District</u>	<u>2,820,150</u>	<u>2,713,050</u>	Union	137,640	138,580
Audubon	222,160	214,860	Warren	189,840	183,680
Calhoun	328,410	317,060	Wayne	190,570	185,330
Carroll	284,310	276,460	<u>SC District</u>	<u>1,692,600</u>	<u>1,691,550</u>
Crawford	310,310	293,460	Davis	153,200	151,670
Greene	285,220	284,410	Des Moines	162,990	153,310
Guthrie	242,170	232,860	Henry	174,100	166,720
Harrison	304,920	281,710	Jefferson	192,690	182,160
Ida	232,830	218,610	Keokuk	225,290	220,560
Monona	310,130	298,020	Lee	195,700	181,970
Sac	301,430	293,060	Louisa	165,790	159,860
Shelby	311,330	294,720	Mahaska	244,260	233,440
Woodbury	353,430	335,020	Van Buren	152,100	140,560
<u>WC District</u>	<u>3,486,650</u>	<u>3,340,250</u>	Wapello	133,400	130,550
Boone	263,810	251,910	Washington	262,280	238,550
Dallas	271,660	254,460	<u>SE District</u>	<u>2,061,800</u>	<u>1,959,350</u>
Grundy	288,260	281,720			
Hamilton	279,770	273,540			
Hardin	303,490	292,230			
Jasper	326,270	320,110	State	25,040,000	24,096,000

¹All acres harvested for corn soybeans, oats, hay, sorghum, wheat, rye, and potatoes; does not include idle land, pasture, government set-aside, abandoned or plowed under, etc. ²Revised. ³Preliminary.

Iowa Grain Marketings: Percent Of Crop Year Total, By Months

Month	All hay		Oats		Soybeans		Corn	
	1984-85	1985-86	1984-85	1985-86	1984-85	1985-86	1984-85	1985-86
June	24	23						
July	15	12	28	50				
Aug.	11	11	26	17				
Sep.	6	7	6	6	5	7		
Oct.	1	3	5	3	14	13	14	8
Nov.	5	5	3	1	9	11	16	18
Dec.	8	9	3	1	7	7	6	10
Jan.	10	9	6	5	8	12	9	10
Feb.	6	7	3	3	6	6	6	4
Mar.	7	8	5	3	9	9	9	5
Apr.	5	4	5	3	8	7	8	6
May	2	2	5	3	7	6	6	7
June			5	5	9	8	7	8
July					10	8	8	8
Aug.					8	6	6	6
Sep.							5	10

Iowa Production, Disposition, And Value, Selected Crops

Crop year	Production	Used on farms where produced	Sold		Market average price per bushel ¹	Value of production	Value of sales
			Quantity	Percent			
----- 1,000 bushels -----					Dollars	----- 1,000 dollars -----	
Corn for Grain							
1985 ²	1,707,300	529,263	1,178,037	69	2.02	3,448,746	2,379,635
1986 ³	1,626,750	553,095	1,073,655	66	1.40	2,277,450	1,503,117
Oats							
1985 ²	57,760	30,613	27,147	47	1.27	73,355	34,477
1986 ³	37,800	24,948	12,852	34	1.10	41,580	14,137
Hay ⁴							
1985 ²	7,133	6,206	927	13	46.50	331,685	43,106
1986 ³	8,000	7,200	800	10	41.00	328,000	32,800
Soybeans							
1985 ²	309,700	1,631	308,069	99.5	4.99	1,545,403	1,537,264
1986 ³	363,125	1,452	361,673	99.6	4.50	1,634,063	1,627,529
Wheat							
1985 ²	5,376	305	5,071	94	2.95	15,859	14,959
1986 ³	1,680	138	1,542	92	2.25	3,780	3,470

¹Series changed from season average price to market average price. ²Market average price does not include any added or lost value from CCC forfeitures, nor does it include any value obtained from deficiency payments. ³Revised. ⁴Preliminary. ⁴Production, utilization in 1,000 tons; season average price, dollars per ton.

LIVESTOCK



Photo Courtesy of Pioneer Hi-Bred

1986 LIVESTOCK SUMMARY

IOWA

Iowa's cattle, hog, and sheep producers received \$4.4 billion from marketings in 1986. This was up 3.0 percent from the \$4.2 billion received in 1985. Cattle, hog, and sheep cash receipts in 1986 from marketings and sale of farm slaughter were \$1.72 billion, \$2.63 billion, and \$25.0 million, respectively. This compares to 1985 receipts of \$1.75 billion for cattle, \$2.47 billion for hogs, and \$24.3 million for sheep.

Cattle: Iowa producers had an estimated 4.65 million cattle and calves on farms as of January 1, 1987, down 6 percent from January 1, 1986. Cows and heifers that have calved totaled 1.490 million head, 4 percent below a year earlier. Of this total, 1.182 million head were beef cows, down 1 percent from last year, and 308,000 head were milk cows, down 14 percent from a year ago.

Heifers weighing 500 pounds or more, 815,000, were down 7 percent from the previous year. Of this total, 140,000 were beef cow replacements, 125,000 were milk cow replacements, and 550,000 were other heifers.

Steers weighing 500 pounds or more, 1.065 million head, were 9 percent below a year ago. An estimated 70,000 bulls weighing 500 pounds or more were on hand, unchanged from last year. Calves weighing 500 pounds or less totaled 1.210 million, down 5 percent from the last year. The estimated 1986 calf crop for Iowa is 1.470 million head, 2 percent below a year ago.

Hogs: Iowa continues to rank number one among the states in hog numbers. Hogs and pigs on hand December 1, 1986, totaled 12.6 million, or 25 percent of the nation's hogs.

The average value of hogs and pigs on hand December 1, 1986, was \$92.00 per head, up \$22.00 from the previous year. The total value of Iowa's December 1, 1986, hog inventory was \$1,159.0 million compared to \$945.0 million a year earlier.

The state's pork producers farrowed 2.620 million sows during 1986 (December 1985 through November 1986), 240,000 less than during 1985. The average pigs saved per litter was 7.78, resulting in a pig crop of 20.4 million, down 7 percent from the number saved in 1985.

Sheep: Sheep numbers in 1986 showed an increase from the 350,000 head on hand January 1, 1986, to 375,000 head on January 1, 1987. The inventory was valued at \$28.9 million compared with \$25.2 million January 1, 1986. An estimated 330,000 lambs were born during 1986, up 6 percent from last year.

The 435,000 sheep shorn in 1986 produced 3.054 million pounds of wool. This compares to 415,000 sheep shorn in 1985 and wool production of 2.848 million pounds. The wool was valued at \$1.37 million, up from \$1.20 million last year due to a price increase of 3 cents per pound.

Milk Production: Iowa dairymen produced an estimated 3.879 billion pounds of milk during 1986,

down 4 percent from 1985. There was an average of 335,000 milk cows on hand during 1986, down from the 352,000 a year earlier. The annual average milk produced per cow was 11,579 pounds, up slightly from the 11,528 pound average in 1985.

Red Meat Production: Slaughter plants in Iowa produced 4.74 billion pounds of red meat (beef, veal, pork, and mutton) during 1986. This was 8 percent below the previous year.

Beef production was down 1 percent from 1985 and 21 percent below 1984, while pork production was down 10 percent from 1985 and down 8 percent from 1984. Mutton decreased from 99.3 million pounds in 1985 to 63.1 million pounds in 1986.

UNITED STATES

Total marketings of meat animals increased slightly during 1986 as increased cattle marketings compensated for lower hog and sheep marketings. With higher prices received for hogs and sheep offsetting lower cattle prices, the resulting cash receipts of \$39.1 billion were up 1 percent from 1985.

The percentage breakdown of contributions to total U.S. cash receipts from marketings of meat animals by species in 1986 were: Cattle and calves, 74 percent; hogs and pigs, 25 percent; sheep and lambs, 1 percent. U.S. prices received for cattle, hogs, and sheep were published in AGRICULTURAL PRICES, released February 27, 1987.

Production of meat animals during 1986 totaled 60.5 billion pounds, down 1 percent from the 1985 production of 61.0 billion pounds. The value of meat animal production was \$30.9 billion in 1986 compared with \$30.5 billion in 1985.

Cattle and Calves: Cash receipts from marketings of cattle and calves declined slightly during 1986, as lower prices more than offset an increase in marketings. For 1986, cash receipts from the sale of cattle and calves totaled \$28.9 billion compared with \$29.1 billion in 1985.

All cattle and calf marketings during 1986 totaled 55.4 billion pounds, up 2 percent from the 54.5 billion pounds in 1985. The U.S. annual average price for cattle at \$52.60 per 100 pounds live weight was down 2 percent from 1985. The calf price for 1986, at \$61.10, was also down 2 percent.

Hogs and Pigs: Cash receipts for hogs and pigs were \$9.70 billion during 1986, 7 percent above 1985. Marketings of 19.6 billion pounds during 1986 were 4 percent below 1985, while the U.S. annual average price per 100 pounds of live weight increased 12 percent from \$44.00 in 1985 to \$49.30 in 1986.

Sheep and Lambs: Cash receipts from marketings of sheep and lambs in 1986 totaled \$484 million, down 4 percent from 1985. The average price of sheep in 1986 was \$25.60 per 100 pounds of live weight, up from \$23.90 in 1985. Lamb prices increased from \$67.70 in 1985 to \$69.00 in 1986.

Livestock: Number On Farms, By Class And Specie, January 1

Specie and Class	1982	1983	1984	1985	1986	1987 ¹
IOWA						
Thousand head						
<u>All cattle</u>	6,850	6,350	5,900	5,600	4,950	4,650
Beef cows and heifers that have calved	1,754	1,518	1,417	1,305	1,190	1,182
Milk cows and heifers that have calved	370	362	358	345	360	308
Beef replacement heifers 500+ pounds	192	184	160	150	125	140
Milk replacement heifers 500+ pounds	157	133	135	130	145	125
Other heifers 500+ pounds	863	845	755	670	605	550
Steers 500+ pounds	1,644	1,575	1,500	1,425	1,170	1,065
Bulls 500+ pounds	89	87	79	75	75	70
Steers, heifers, and bulls under 500 pounds	1,781	1,646	1,496	1,500	1,280	1,210
<u>All hogs²</u>	16,300	14,400	15,000	14,200	13,500	12,600
Kept for breeding	2,061	1,786	1,820	1,730	1,650	1,560
Market hogs	14,239	12,614	13,180	12,470	11,850	11,040
Under 60 pounds	5,573	5,008	5,021	4,726	4,340	4,285
60-119 pounds	3,613	3,179	3,493	3,242	3,200	2,810
120-179 pounds	2,884	2,573	2,755	2,569	2,460	2,240
180 pounds and over	2,169	1,854	1,911	1,933	1,850	1,705
<u>All sheep</u>	485	457	425	360	350	375
Sheep and lambs on feed	85	117	105	80	70	65
Stock sheep	400	340	320	280	280	310
Ewe lambs	80	47	39	33	33	36
Wether and ram lambs	24	12	9	7	7	8
Ewes 1 year or older	283	270	260	230	230	255
Rams and wethers 1 year or older	13	11	12	10	10	11
<u>All chickens^{2,3}</u>	10,800	10,300	10,200	9,700	8,100	7,700
<u>All turkeys</u>	6,700	6,710	5,800	5,900	6,300	7,000
<u>All mink (Females)</u>	NA	45.6	45.5	46.2	46.2	42.6
UNITED STATES						
<u>All cattle</u>	115,444	115,001	113,700	109,749	105,468	102,031
Beef cows and heifers that have calved	39,230	37,940	37,494	35,370	33,633	33,910
Milk cows and heifers that have calved	10,986	11,047	11,109	10,805	11,177	10,547
Beef replacement heifers 500+ pounds	6,607	6,336	6,183	5,542	5,149	5,154
Milk replacement heifers 500+ pounds	4,547	4,545	4,532	4,760	4,761	4,335
Other heifers 500+ pounds	7,190	7,965	7,851	8,056	8,090	7,548
Steers 500+ pounds	15,497	16,214	16,371	16,369	15,967	15,249
Bulls 500+ pounds	2,611	2,609	2,549	2,411	2,261	2,204
Steers, heifers, and bulls under 500 pounds	28,777	28,346	27,611	26,436	24,431	23,084
<u>All hogs²</u>	58,698	54,534	56,694	54,073	52,313	50,960
Kept for breeding	7,844	7,475	7,391	6,933	6,783	6,612
Market hogs	50,854	47,059	49,303	47,140	45,530	44,349
Under 60 pounds	19,490	18,830	19,028	18,071	17,301	16,956
60-119 pounds	12,926	11,942	12,626	12,013	11,700	11,153
120-179 pounds	10,439	9,375	9,985	9,610	9,320	9,071
180 pounds and over	7,999	6,912	7,664	7,446	7,210	7,168
<u>All sheep</u>	12,997	12,140	11,487	10,443	9,983	10,328
Sheep and lambs on feed	1,564	1,661	1,718	1,596	1,492	1,504
Stock sheep	11,433	10,479	9,769	8,847	8,491	8,824
Ewe lambs	1,810	1,420	1,237	1,016	1,048	1,296
Wether and ram lambs	423	343	318	284	318	367
Ewes 1 year or older	8,811	8,343	7,874	7,233	6,817	6,841
Rams and wethers 1 year or older	389	374	340	314	310	320
<u>All chickens^{2,3}</u>	385,338	379,219	364,880	374,008	368,548	368,681
<u>All turkeys</u>	165,454	170,723	171,321	185,282	185,352	207,216
<u>All mink (Females)</u>	NA	1,132	1,115	1,115	1,115	1,073

¹Preliminary. ²December 1, preceding year. ³Excludes commercial broilers.

Livestock: Ten Leading States And Iowa's Rank

Item	1	2	3	4	5	6	7	8	9	10	Iowa Rank	% of U.S.
LIVESTOCK ON HAND												
JANUARY 1, 1987												
All cattle and calves	Texas	Kans.	Neb.	Okla.	Cal.	<u>Iowa</u>	Mo.	Wis.	S.D.	Minn.	6	5
Milk cows that have calved	Wis.	Cal.	N.Y.	Minn.	Pa.	- ¹	- ¹	Texas	<u>Iowa</u>	Ky.	9	3
Beef cows that have calved	Texas	Okla.	Mo.	Neb.	S.D.	Kans.	Mont.	Fla.	<u>Iowa</u>	Tenn.	9	3
All hogs - December 1986	<u>Iowa</u>	Ill.	Minn.	Ind.	Neb.	Mo.	N.C.	Ohio	S.D.	Kans.	1	25
All sheep and lambs	Texas	Cal.	Wyo.	Colo.	S.D.	Mont.	N.M.	Utah.	<u>Iowa</u>	Idaho	9	4
Cattle and calves on feed	Texas	Neb.	Kans.	Colo.	<u>Iowa</u>	Ill.	Cal.	Ariz.	- ²	- ²	5	6
Sheep and lambs on feed	Colo.	Cal.	Texas	Oreg.	Wyo.	Minn.	Kans.	<u>Iowa</u>	Ariz.	- ³	8	4
All chickens - December 1986	Cal.	Ind.	Ga.	Ark.	Pa.	N.C.	Ohio	Texas	Ala.	Fla.	16	2
LIVESTOCK PRODUCTION IN 1986												
Cattle and calf production	Texas	Neb.	Kans.	Okla.	<u>Iowa</u>	Cal.	Colo.	S.D.	Minn.	Mo.	5	5
Fed cattle marketed	Texas	Neb.	Kans.	Colo.	<u>Iowa</u>	Cal.	Ill.	Okla.	S.D.	Minn.	5	7
Hog production	<u>Iowa</u>	Ill.	Ind.	Minn.	Neb.	Mo.	N.C.	Ohio	S.D.	Kans.	1	26
Sheep production	Texas	Cal.	S.D.	Colo.	Wyo.	Utah	Mont.	<u>Iowa</u>	Idaho	Ore.	8	5
Turkey production	N.C.	Minn.	Cal.	Ark.	Mo.	Va.	Ind.	Wis.	<u>Iowa</u>	Pa.	9	4
Calf crop	Texas	Mo.	- ⁴	- ⁴	Cal.	Neb.	S.D.	Kans.	<u>Iowa</u>	Mont.	9	3
Pig crop	<u>Iowa</u>	Ill.	Minn.	Ind.	Neb.	Mo.	N.C.	Ohio	S.D.	Wis.	1	25
Lamb crop	Texas	Cal.	S.D.	Wyo.	Mont.	Utah	Colo.	<u>Iowa</u>	Idaho	N.M.	8	4
Chickens sold	Cal.	Ind.	- ⁵	- ⁵	Ark.	Ohio	N.C.	Texas	Ala.	Miss.	15	2
Turkeys raised	N.C.	Minn.	Cal.	Ark.	Va.	Mo.	Ind.	Pa.	<u>Iowa</u>	Wis.	9	3
Cattle slaughter	Kans.	Texas	Neb.	<u>Iowa</u>	Colo.	Cal.	Wis.	Ill.	Pa.	Minn.	4	5
Hog slaughter	<u>Iowa</u>	Minn.	Ill.	Neb.	Mich.	Va.	Ohio	Mo.	Ind.	S.D.	1	24
Sheep slaughter	Colo.	Cal.	Texas	<u>Iowa</u>	S.D.	Minn.	Kans.	Ill.	Mich.	Wash.	4	9
Egg production	Cal.	Ind.	Pa.	Ga.	Ohio	Ark.	K.C.	Texas	Ala.	Fla.	15	2
Wool production	Texas	Wyo.	Cal.	Colo.	Mont.	Utah	S.D.	N.M.	<u>Iowa</u>	Oreg.	9	4
Milk production	Wis.	Cal.	N.Y.	Minn.	Pa.	Mich.	Ohio	Texas	<u>Iowa</u>	Wash.	9	3
American cheese	Wis.	Minn.	Cal.	<u>Iowa</u>	Idaho	S.D.	N.Y.	Mo.	N.D.	Ind.	4	4
Total cheese ⁶	Wis.	Minn.	N.Y.	Cal.	<u>Iowa</u>	Pa.	Mo.	Idaho	S.D.	Ohio	5	4

¹Tie between Michigan and Ohio. ²Tie between Minnesota and South Dakota. ³Tie between Ohio and South Dakota. ⁴Tie between Wisconsin and Oklahoma. ⁵Tie between Georgia and Pennsylvania. ⁶Excludes cottage cheese.

Iowa Livestock: Record High And Low Numbers

Item	Unit	Record high		Record low		Year record started
		Quantity	Year	Quantity	Year	
<u>Cattle</u>						
Inventory January 1	Thou. hd.	7 800	1978	3,758	1928	1924
Calves born	Thou. hd.	2,180	1976	1,451	1927	1924
Beef cows January 1	Thou. hd.	1,928	1976	375	1939	1937
Milk cows January 1	Thou. hd.	1,544	1943	308	1987	1937
Grain fed cattle marketed	Thou. hd.	4,676	1968	1,425	1951	1949
Cattle on feed January 1	Thou. hd.	2,213	1969 & 1970	670	1986	1948
Cattle on feed April 1	Thou. hd.	2,291	1969	640	1986	1948
Cattle on feed July 1	Thou. hd.	1,935	1969	440	1948	1948
Cattle on feed October 1	Thou. hd.	1,633	1969 & 1970	469	1949	1948
<u>Hogs</u>						
Inventory December 1	Thou. hd.	16,300	1982	2,500	1868	1867
Spring sows farrowed (Dec-May)	Thou. hd.	2,454	1943	1,130	1935	1924
Fall sows farrowed (June-Nov)	Thou. hd.	1,620	1979 & 1981	470	1925	1924
Pigs saved Spring (Dec-May)	Thou. hd.	15,117	1943	6,712	1935	1924
Pigs saved Fall (June-Nov)	Thou. hd.	12,069	1981	1,760	1934	1924
Marketings	Thou. hd.	23,409	1980	7,366	1935	1924
<u>Sheep</u>						
Inventory January 1	Thou. hd.	1,975	1942	350	1986	1924
Lamb crop	Thou. hd.	1,127	1942	259	1978	1924
Marketings	Thou. hd.	2,062	1943	222	1979	1924
<u>Chickens</u>						
Inventory December 1	Thou. hd.	43,149	1944	7,700	1986	1924
Hens and pullets of laying age December 1	Thou. hd.	18,610	1965	6,000	1986	1965
Egg production total for year	Mil. eggs	5,084	1958	1,441	1986	1924
<u>Turkeys</u>						
Raised	Thou. hd.	9,836	1961	123	1929	1929

IOWA HOGS AND PIGS

Number On Farms, Market By Weight Groups, Breeding And Total

Month and year	Market hogs and pigs					For breeding	Total
	Under 60 lbs.	60-119 lbs.	120-179 lbs.	180 lbs. and over	Total		
Thousand head							
<u>March 1</u>							
1976	3,766	2,059	2,410	1,808	10,043	2,057	12,100
1982	4,207	3,121	2,955	2,202	12,485	1,965	14,450
1983	4,292	3,019	2,753	2,061	12,125	1,975	14,100
1984	3,795	2,783	2,762	2,140	11,480	1,770	13,250
1985	4,076	2,749	2,610	2,025	11,460	1,740	13,200
1986 ¹	3,925	2,570	2,530	2,000	11,025	1,575	12,600
<u>June 1</u>							
1976	5,838	2,740	1,847	1,489	11,914	2,086	14,000
1982	5,374	2,913	2,231	1,800	12,318	1,882	14,200
1983	6,053	3,072	2,219	1,786	13,130	2,070	15,200
1984	5,090	3,127	2,133	1,770	12,120	1,880	14,000
1985	5,020	3,090	2,190	1,850	12,150	1,750	13,900
1986 ¹	4,530	2,725	2,025	1,600	10,880	1,520	12,400
<u>September 1</u>							
1976	4,734	3,687	2,811	1,844	13,076	1,924	15,000
1982	4,919	3,334	2,644	1,878	12,775	1,825	14,600
1983	5,138	3,633	2,863	1,800	13,634	1,966	15,600
1984	4,954	3,207	2,920	1,956	13,037	1,863	14,900
1985	4,755	2,980	2,615	1,800	12,150	1,750	13,900
1986 ¹	4,400	2,825	2,390	1,735	11,350	1,550	12,900
<u>December 1</u>							
1976	4,836	3,180	2,303	1,865	12,184	2,016	14,200
1982	5,008	3,179	2,573	1,854	12,614	1,786	14,400
1983	5,021	3,493	2,755	1,911	13,180	1,820	15,000
1984	4,726	3,242	2,569	1,933	12,470	1,730	14,200
1985	4,340	3,200	2,460	1,850	11,850	1,650	13,500
1986 ¹	4,275	2,810	2,235	1,695	11,015	1,585	12,600

¹Preliminary.

Inventory, Supply, And Disposition

Year	Inventory Prev. December 1	Pig Crop		Inshipments	Marketings	Farm slaughter	Deaths
		Dec.-May	June-Nov.				
Thousand head							
<u>IOWA</u>							
1976	12,600	10,334	10,077	1,070	18,331	50	1,500
1982	16,300	10,772	10,917	1,300	23,349	40	1,500
1983	14,400	11,993	11,538	950	22,651	30	1,200
1984	15,000	10,446	11,210	1,100	22,286	20	1,250
1985	14,200	10,990	10,899	1,400	22,814	25	1,150
1986 ²	13,500	9,935	10,449	1,100	21,348	14	1,022
<u>U.S.</u>							
1976	49,267	42,177	42,218	4,191	75,747	1,181	5,992
1982	58,698	41,575	43,614	3,827	86,972	655	5,552
1983	54,534	47,409	45,746	3,527	89,129	517	4,875
1984	56,694	42,403	44,183	3,527	87,344	473	4,917
1985 ¹	54,073	42,545	43,484	3,696	86,694	446	4,345
1986 ²	52,313	40,313	41,970	3,463	82,608	358	4,133

¹Revised. ²Preliminary.

PIG CROP: SOWS FARROWED AND PIGS SAVED, IOWA AND 10 STATES

Spring Pigs

Year	Sows farrowed			Pigs per litter			Pigs saved		
	Dec ¹ -Feb.	Mar-May	Dec.-May	Dec.-Feb.	Mar-May	Dec.-May	Dec.-Feb.	Mar-May	Dec.-May
	----- Thousand head -----			----- Head -----			----- Thousand head -----		
IOWA									
1976	520	880	1,400	7.35	7.40	7.38	3,822	6,512	10,334
1982	630	850	1,460	7.15	7.55	7.38	4,505	6,267	10,772
1983	650	960	1,610	7.30	7.55	7.45	4,745	7,248	11,993
1984	600	810	1,410	7.15	7.60	7.41	4,290	6,156	10,446
1985	620	810	1,430	7.60	7.75	7.69	4,712	6,278	10,990
1986 ²	590	690	1,280	7.60	7.90	7.76	4,484	5,451	9,935
10 STATES									
1976	1,821	2,570	4,391	7.16	7.40	7.30	13,042	19,034	32,076
1982	2,027	2,411	4,438	7.12	7.51	7.33	14,438	18,096	32,534
1983	2,154	2,782	4,936	7.45	7.62	7.54	16,040	21,194	37,234
1984	1,964	2,481	4,445	7.27	7.58	7.45	14,288	18,814	33,102
1985	1,955	2,420	4,375	7.51	7.75	7.65	14,690	18,762	33,452
1986 ²	1,863	2,161	4,024	7.65	7.81	7.74	14,254	16,878	31,132

Fall Pigs

Year	Sows farrowed			Pigs per litter			Pigs saved		
	Jun-Aug.	Sep-Nov.	Jun-Nov.	Jun-Aug.	Sep-Nov.	Jun-Nov.	Jun-Aug.	Sep-Nov.	Jun-Nov.
	----- Thousand head -----			----- Head -----			----- Thousand head -----		
IOWA									
1976	690	715	1,405	7.35	7.00	7.17	5,072	5,005	10,077
1982	700	790	1,490	7.30	7.35	7.33	5,110	5,807	10,917
1983	775	800	1,575	7.30	7.35	7.33	5,658	5,880	11,538
1984	725	760	1,485	7.60	7.50	7.55	5,510	5,700	11,210
1985	700	730	1,430	7.80	7.45	7.62	5,460	5,439	10,899
1986 ²	640	700	1,340	7.85	7.75	7.80	5,024	5,425	10,449
10 STATES³									
1976	2,219	2,250	4,469	7.30	7.10	7.20	16,214	15,973	32,187
1982	2,227	2,397	4,624	7.39	7.43	7.41	16,460	17,803	34,263
1983	2,422	2,377	4,799	7.36	7.43	7.40	17,836	17,663	35,499
1984	2,259	2,316	4,575	7.60	7.52	7.56	17,158	17,420	34,578
1985	2,191	2,265	4,456	7.73	7.62	7.67	16,941	17,255	34,196
1986 ²	2,034	2,150	4,184	7.79	7.78	7.78	15,853	16,729	32,582

¹Previous year. ²Preliminary. ³GA, ILL, IND, IA, KAN, MINN, MO, NEB, N C, OHIO.

Iowa Hog And Pig Production And Income

Year	Production	Marketings	Average price per 100 lbs.	Value of production	Cash receipts	Value of home consumption	Gross Income
	--- Thousand pounds ---		Dollars	-----Thousand dollars -----			
IOWA							
1976	4,488,708	4,318,086	43.00	1,913,134	1,859,990	26,123	1,886,113
1982	5,928,964	5,620,813	51.90	2,727,985	2,920,381	22,234	2,942,615
1983	5,540,098	5,482,574	46.70	2,573,760	2,562,235	13,338	2,575,573
1984	5,372,752	5,507,322	46.80	2,492,895	2,580,883	7,961	2,588,844
1985	5,457,689	5,591,759	44.20	2,385,339	2,474,317	10,564	2,484,881
1986 ²	5,122,176	5,306,168	49.50	2,514,047	2,629,202	5,177	2,634,379
U.S.							
1976	18,160,337	17,137,984	43.30	7,856,775	7,487,676	268,802	7,756,478
1982	19,657,921	20,154,962	52.30	10,297,021	10,658,841	178,109	10,836,950
1983	21,195,347	20,834,899	46.80	9,899,218	9,785,227	123,898	9,909,125
1984	20,195,699	20,490,921	47.10	9,498,230	9,703,385	115,087	9,818,472
1985 ¹	20,164,269	20,360,970	44.00	8,871,310	9,029,467	98,823	9,128,290
1986 ²	19,362,696	19,550,331	49.30	9,531,589	9,701,947	89,401	9,791,348

¹Revised. ²Preliminary.

HOG SLAUGHTER, BY MONTHS IOWA AND U.S.

Number Slaughtered

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
IOWA													
Thousand head													
1976	1,262	1,092	1,500	1,419	1,223	1,239	1,110	1,418	1,558	1,750	1,846	1,626	17,043
1981	2,219	1,951	2,292	2,335	1,978	1,852	1,869	1,841	1,985	2,068	1,813	1,952	24,155
1982 ¹		(5,034)			(4,763)			(4,094)			(4,772)		18,663
1983	1,593	1,411	1,866	1,815	1,759	1,622	1,528	1,710	1,861	2,046	2,232	1,985	21,428
1984	1,848	1,757	2,007	1,780	1,747	1,573	1,350	1,472	1,619	2,034	1,968	1,732	20,886
1985	1,841	1,589	1,807	1,850	1,851	1,525	1,519	1,713	1,842	2,058	1,839	1,662	21,096
1986 ²	1,753	1,484	1,613	1,630	1,565	1,412	1,416	1,432	1,494	1,680	1,578	1,655	18,711
U.S.													
1976	5,696	5,123	6,613	6,087	5,334	5,401	5,131	6,215	6,637	7,211	7,458	6,880	73,784
1981	8,131	7,196	8,351	8,326	7,299	6,969	6,812	6,854	7,612	8,143	7,601	8,282	91,575
1982 ¹		(21,714)			(20,712)			(18,940)			(20,825)		82,190
1983	6,664	5,964	7,583	7,298	7,118	7,251	6,562	7,311	7,500	8,086	8,436	7,812	87,584
1984	7,193	6,811	7,802	7,161	7,367	6,595	6,007	6,846	6,643	8,152	7,597	6,994	85,168
1985	7,342	6,396	7,134	7,383	7,567	6,394	6,600	7,016	6,940	7,787	7,033	6,900	84,492
1986 ²	7,185	6,337	6,857	7,352	6,888	6,076	6,098	5,972	6,504	7,279	6,255	6,796	79,598

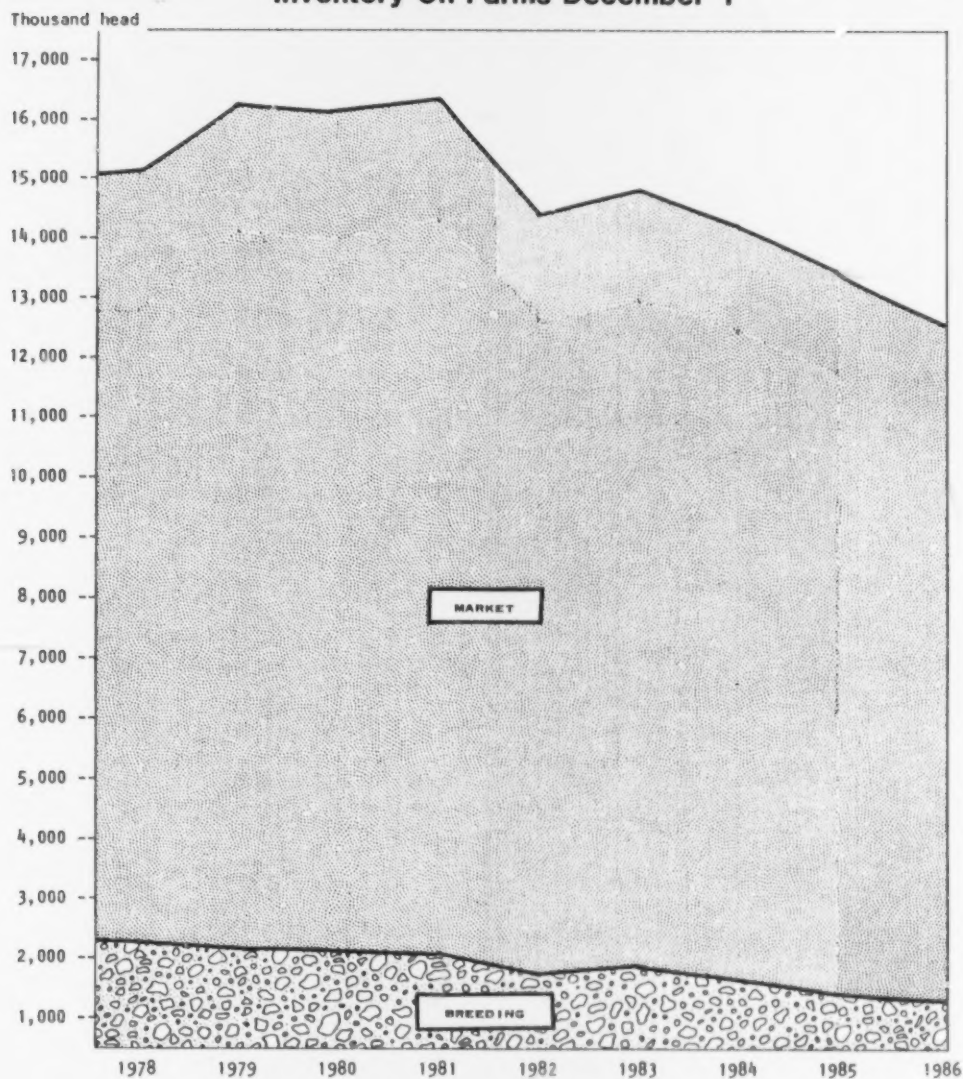
Live Weight

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Average
IOWA - Average													
Pounds													
1976	244	236	235	235	241	243	238	236	237	240	246	239	239
1981	251	245	244	245	249	250	246	242	243	246	247	249	246
1982 ¹		(241)			(245)			(244)			(250)		245
1983	247	241	242	244	248	249	246	243	239	243	246	244	244
1984	242	242	242	244	249	249	246	243	241	244	246	245	244
1985	245	241	243	248	249	250	246	244	247	250	253	250	247
1986 ²	251	248	248	249	249	249	247	247	249	253	254	258	250
IOWA - Total													
Million pounds													
1976	308	258	353	333	295	301	264	335	369	420	454	389	4,078
1981	557	478	558	572	492	463	461	446	481	508	448	487	5,951
1982 ¹		(1,211)			(1,166)			(998)			(1,191)		4,566
1983	393	340	452	443	436	403	375	415	445	498	549	485	5,235
1984	447	425	485	434	434	392	333	357	391	497	484	425	5,102
1985	450	382	440	459	461	381	374	418	455	516	465	415	5,216
1986 ²	439	367	401	407	390	352	350	354	372	425	401	428	4,685
U.S. - Average													
Pounds													
1976	243	236	235	236	238	240	238	236	235	238	243	239	238
1981	245	242	241	241	243	244	241	239	240	242	246	247	243
1982 ¹		(240)			(242)			(241)			(246)		243
1983	244	240	241	242	245	246	244	241	240	243	246	243	243
1984	242	241	241	242	245	247	244	242	242	244	246	245	243
1985	245	242	242	245	247	247	244	242	242	246	248	246	245
1986 ²	246	243	244	245	245	245	245	243	245	248	250	251	246
U.S. - Total													
Million pounds													
1976	1,384	1,209	1,555	1,437	1,272	1,294	1,219	1,464	1,562	1,717	1,809	1,646	17,566
1981	1,995	1,739	2,009	2,010	1,773	1,701	1,644	1,638	1,824	1,972	1,858	2,042	22,214
1982 ¹		(5,215)			(5,013)			(4,573)			(5,131)		19,932
1983	1,625	1,433	1,826	1,769	1,744	1,784	1,100	1,763	1,800	1,965	2,074	1,902	21,285
1984	1,739	1,641	1,879	1,734	1,801	1,628	1,467	1,657	1,606	1,989	1,868	1,716	20,728
1985	1,795	1,546	1,726	1,808	1,866	1,580	1,613	1,700	1,677	1,914	1,742	1,700	20,667
1986 ²	1,766	1,542	1,670	1,802	1,691	1,489	1,491	1,452	1,593	1,802	1,561	1,706	19,565

¹During 1982 slaughter was summarized by quarter (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) instead of by month. ²Preliminary.

IOWA HOGS AND PIGS

Inventory On Farms December 1



December 1 Inventory

Year	Breeding	Market	Total
1978	2,280	12,820	15,100
1979	2,106	14,094	16,200
1980	2,095	14,005	16,100
1981	2,061	14,239	16,300
1982	1,786	12,614	14,400
1983	1,820	12,980	14,800
1984	1,730	12,470	14,200
1985	1,650	11,850	13,500
1986	1,560	11,040	12,600

Iowa Hogs: Farm Inventory, Sows Farrowed, And Marketings, By County, 1985

County and district	Hogs and pigs on farms ¹	Total sows farrowed and pigs saved		Hogs mkt'd.	County and district	Hogs and pigs on farms ¹	Total sows farrowed and pigs saved		Hogs mkt'd.
		Sows	Pigs				Sows	Pigs	
		1,000 head					1,000 head		
Buena Vista	223	41.4	330	348	Marshall	114	27.9	217	173
Cherokee	189	32.9	250	306	Polk	40	9.9	76	62
Clay	124	23.4	184	182	Poweshiek	139	33.6	264	208
Dickinson	74	14.3	109	135	Story	111	23.1	178	189
Emmet	69	10.0	75	133	Tama	138	31.4	233	287
Lyon	212	38.1	291	368	Webster	106	21.5	172	132
O'Brien	197	32.7	260	295	C District	1,610	344.0	2,636	2,560
Osceola	103	18.0	140	177	Benton	166	33.0	259	329
Palo Alto	134	25.9	206	212	Cedar	195	49.5	383	391
Plymouth	396	77.4	603	538	Clinton	193	40.3	305	333
Pocahontas	118	21.7	173	238	Iowa	180	47.5	379	352
Sioux	411	66.2	516	652	Jackson	113	31.8	239	163
NW District	2,250	402.0	3,137	3,584	Johnson	231	60.3	450	398
Butler	175	38.3	291	336	Jones	206	44.6	322	328
Cerro Gordo	147	30.4	217	218	Linn	99	28.6	218	185
Floyd	91	17.0	126	189	Muscatine	98	28.3	217	168
Franklin	161	31.8	241	300	Scott	144	29.6	230	268
Hancock	155	29.6	224	323	EC District	1,625	393.5	3,002	2,915
Humboldt	91	16.6	127	161	Adair	105	31.6	250	226
Kossuth	216	49.2	376	444	Adams	80	16.1	120	128
Mitchell	132	31.3	228	238	Cass	102	25.4	199	206
Winnebago	63	15.3	110	173	Fremont	42	10.7	81	85
Worth	69	13.0	93	135	Mills	49	12.3	89	86
Wright	90	20.0	145	183	Montgomery	65	19.0	142	126
NC District	1,390	292.5	2,178	2,700	Page	107	26.6	210	162
Allamakee	126	25.6	192	149	Pottawattamie	138	28.7	219	263
Black Hawk	125	21.6	166	194	Taylor	68	19.6	140	112
Bremer	92	14.6	107	156	SW District	756	190.0	1,450	1,400
Buchanan	206	44.2	344	293	Appanoose	27	6.6	52	55
Chickasaw	117	25.3	198	210	Clarke	41	11.1	85	84
Clayton	256	52.6	401	348	Decatur	48	9.9	77	65
Delaware	418	76.0	575	591	Lucas	36	10.7	83	75
Dubuque	285	59.9	460	390	Madison	78	18.3	142	150
Fayette	224	38.7	289	347	Marion	129	37.4	291	241
Howard	86	18.1	141	115	Monroe	54	12.8	92	98
Winnesiek	165	31.4	227	252	Ringgold	54	13.8	109	121
NE District	2,100	408.0	3,100	3,045	Union	54	13.5	105	86
Audubon	152	32.1	255	253	Warren	93	19.6	157	170
Calhoun	118	20.2	160	189	Wayne	45	11.8	92	70
Carroll	226	43.3	314	404	SC District	659	165.5	1,285	1,215
Crawford	187	44.3	345	300	Davis	49	12.0	90	67
Greene	102	17.2	134	208	Des Moines	62	14.2	113	102
Guthrie	77	21.1	160	162	Henry	115	28.0	210	215
Harrison	74	15.0	114	109	Jefferson	86	22.5	161	143
Ida	111	21.4	167	193	Keokuk	237	50.3	385	413
Monona	75	15.2	115	102	Lee	116	23.0	181	227
Sac	225	41.9	326	352	Louisa	74	15.9	117	124
Shelby	173	33.4	263	339	Mahaska	247	51.7	400	461
Woodbury	185	37.9	294	304	Van Buren	59	17.7	131	96
WC District	1,705	343.0	2,647	2,915	Wapello	57	12.9	96	111
Boone	112	25.2	187	227	Washington	303	73.3	570	521
Dallas	77	17.3	136	132	SE District	1,405	321.5	2,454	2,480
Grundy	140	28.5	227	214					
Hamilton	180	42.0	316	276					
Hardin	208	42.5	316	292					
Jasper	245	41.1	314	368					
					State	13,500		21,889	
							2,860.0		22,814

¹December 1.

Iowa Hogs: Farm Inventory, Sows Farrowed, And Marketings, By County, 1986¹

County and district	Hogs and pigs on farms ²	Total sows farrowed		Hogs mktd.	County and district	Hogs and pigs on farms ²	Total sows farrowed		Hogs mktd.
		and pigs saved					and pigs saved		
		Sows	Pigs				Sows	Pigs	
		1,000 head					1,000 head		
Buena Vista	197	41.5	329	319	Marshall	110	26.5	212	152
Cherokee	182	30.3	247	268	Polk	39	8.3	64	58
Clay	106	23.5	178	167	Poweshiek	134	27.7	220	200
Dickinson	64	13.0	103	129	Story	99	20.1	163	177
Emmet	61	8.4	67	127	Tama	126	31.8	253	254
Lyon	191	35.5	282	322	Webster	105	19.8	156	122
O'Brien	181	27.6	211	259	<u>C District</u>	<u>1,530</u>	<u>304.5</u>	<u>2,411</u>	<u>2,335</u>
Osceola	96	15.1	116	155	Benton	150	32.9	259	329
Palo Alto	121	24.3	186	186	Cedar	190	48.0	352	365
Plymouth	379	64.3	488	514	Clinton	193	36.1	267	333
Pocahontas	101	21.8	163	209	Iowa	180	42.7	336	333
Sioux	396	66.2	536	571	Jackson	113	30.2	234	156
<u>NW District</u>	<u>2,075</u>	<u>371.5</u>	<u>2,906</u>	<u>3,226</u>	Johnson	208	52.0	393	349
Butler	160	36.4	287	306	Jones	196	43.7	319	298
Cerro Gordo	125	25.2	194	191	Linn	93	24.3	183	180
Floyd	84	15.3	124	166	Muscatine	98	26.4	207	162
Franklin	137	30.9	237	299	Scott	144	25.7	199	263
Hancock	132	27.8	216	285	<u>EC District</u>	<u>1,565</u>	<u>362.0</u>	<u>2,749</u>	<u>2,768</u>
Humboldt	86	15.7	125	154	Adair	90	26.1	197	198
Kossuth	184	46.5	379	393	Adams	72	13.4	108	119
Mitchell	119	31.7	250	238	Cass	87	21.0	164	206
Winnebago	57	15.4	111	152	Fremont	41	10.2	82	75
Worth	59	10.8	79	119	Mills	44	10.2	77	76
Wright	77	17.8	144	161	Montgomery	59	18.1	136	126
<u>NC District</u>	<u>1,220</u>	<u>273.5</u>	<u>2,146</u>	<u>2,464</u>	Page	91	22.0	178	168
Allamakee	108	21.3	162	131	Pottawattamie	118	24.9	202	263
Black Hawk	113	21.9	172	170	Taylor	58	17.1	128	98
Bremer	88	12.2	89	137	<u>SW District</u>	<u>660</u>	<u>163.0</u>	<u>1,272</u>	<u>1,329</u>
Buchanan	200	45.0	348	264	Appanoose	23	5.5	41	55
Chickasaw	111	22.3	170	206	Clarke	40	10.9	82	84
Clayton	256	53.4	414	348	Decatur	47	8.9	66	65
Delaware	418	71.7	553	591	Lucas	31	9.2	74	75
Dubuque	277	52.9	413	353	Madison	70	18.4	149	150
Payette	224	38.7	305	338	Merion	122	37.9	299	241
Howard	74	17.6	131	115	Monroe	52	11.1	82	98
Winnesiek	141	29.5	220	221	Ringgold	46	12.1	97	121
<u>NE District</u>	<u>2,010</u>	<u>336.5</u>	<u>2,977</u>	<u>2,874</u>	Union	50	13.6	98	86
Audubon	145	30.5	239	222	Warren	90	17.7	138	166
Calhoun	103	16.7	135	183	Wayne	39	11.2	86	70
Carroll	225	41.9	318	393	<u>SC District</u>	<u>610</u>	<u>156.5</u>	<u>1,212</u>	<u>1,211</u>
Crawford	184	41.2	326	291	Davis	42	10.8	81	59
Greene	98	16.2	128	182	Des Moines	61	13.6	110	90
Guthrie	66	17.5	134	142	Henry	114	26.0	195	215
Harrison	64	12.8	98	96	Jefferson	77	20.6	164	143
Ida	95	17.8	136	174	Keokuk	227	42.5	321	413
Monona	75	15.3	118	99	Lee	99	19.6	159	227
Sac	192	34.7	274	308	Louisa	67	16.1	122	120
Shelby	173	29.5	229	329	Mahaska	223	50.7	408	461
Woodbury	185	36.4	280	274	Van Buren	58	16.7	134	84
<u>WC District</u>	<u>1,605</u>	<u>310.5</u>	<u>2,415</u>	<u>2,693</u>	Wapello	56	13.0	105	111
Boone	102	22.9	186	199	Washington	301	62.4	497	521
Dallas	71	17.5	126	116	<u>SE District</u>	<u>1,325</u>	<u>292.0</u>	<u>2,296</u>	<u>2,444</u>
Grundy	140	26.1	209	188					
Hamilton	180	34.7	273	254		12,600		20,384	
Hardin	204	35.1	286	281	State		2,620.0		21,348
Jasper	220	34.0	263	338					

¹Preliminary. ²December 1.

Iowa Hogs: Sows Farrowed And Pigs Saved, Spring And Fall, By County, 1985

County and district	December ¹ -May farrowings		June-November farrowings		County and district	December ¹ -May farrowings		June-November farrowings	
	Sows	Pigs	Sows	Pigs		Sows	Pigs	Sows	Pigs
	----- Thousand head -----					----- Thousand head -----			
Buena Vista	18.6	148	22.8	182	Marshall	13.1	102	14.8	115
Cherokee	15.1	116	17.8	134	Polk	4.8	38	5.1	38
Clay	10.1	80	13.3	104	Poweshiek	17.5	140	16.1	124
Dickinson	5.5	41	8.8	68	Story	12.2	94	10.9	84
Emmet	5.2	38	4.8	37	Tama	16.1	120	15.3	113
Lyon	15.7	118	22.4	173	Webster	10.0	80	11.5	92
O'Brien	14.1	112	18.6	148	<u>C District</u>	<u>172.0</u>	<u>1,323</u>	<u>172.0</u>	<u>1,313</u>
Osceola	8.9	70	9.1	70	Benton	16.5	127	16.5	132
Palo Alto	11.8	94	14.1	112	Cedar	23.7	182	25.8	201
Plymouth	39.4	307	38.0	296	Clinton	20.7	160	19.6	145
Pocahontas	8.8	70	12.9	103	Iowa	25.9	207	21.6	172
Sioux	31.8	246	34.4	270	Jackson	16.6	124	15.2	115
<u>NW District</u>	<u>185.0</u>	<u>1,440</u>	<u>217.0</u>	<u>1,597</u>	Johnson	27.2	200	33.1	250
Butler	18.9	142	19.4	149	Jones	18.4	134	26.2	188
Cerro Gordo	15.8	113	14.6	104	Linn	15.9	120	12.7	98
Floyd	9.1	69	7.9	57	Muscatine	14.8	118	13.5	99
Franklin	16.2	121	15.6	120	Scott	16.3	128	13.3	102
Hancock	16.5	127	13.1	97	<u>EC District</u>	<u>196.0</u>	<u>1,500</u>	<u>197.5</u>	<u>1,502</u>
Humboldt	9.3	69	7.3	58	Adair	17.8	141	13.8	109
Kossuth	24.5	186	24.7	190	Adams	7.9	61	8.2	59
Mitchell	15.9	115	15.4	113	Cass	13.7	109	11.7	90
Winnebago	8.3	60	7.0	50	Fremont	5.6	42	5.1	39
Worth	6.3	45	6.7	48	Mills	6.3	46	6.0	43
Wright	9.7	69	10.3	76	Montgomery	9.3	71	9.7	71
<u>NC District</u>	<u>150.5</u>	<u>1,116</u>	<u>142.0</u>	<u>1,062</u>	Page	15.4	123	11.2	87
Allamakee	11.1	84	14.5	108	Pottawattamie	15.8	122	12.9	97
Black Hawk	10.6	81	11.0	85	Taylor	10.7	76	8.9	64
Bremer	7.4	53	7.2	54	<u>SW District</u>	<u>102.5</u>	<u>791</u>	<u>87.5</u>	<u>659</u>
Buchanan	20.1	156	24.1	188	Appanoose	3.2	25	3.4	27
Chickasaw	13.2	105	12.1	93	Clarke	5.7	45	5.4	40
Clayton	25.2	191	27.4	210	Decatur	5.1	40	4.8	37
Delaware	36.9	279	39.1	296	Lucas	5.3	42	5.4	41
Dubuque	30.3	232	29.6	228	Madison	9.0	71	9.3	71
Fayette	18.8	141	19.9	148	Marion	19.4	151	18.0	140
Howard	9.3	74	8.8	67	Monroe	6.8	49	6.0	43
Winneshek	15.1	109	16.3	118	Ringgold	6.7	53	7.1	56
<u>NE District</u>	<u>198.0</u>	<u>1,505</u>	<u>210.0</u>	<u>1,595</u>	Union	6.6	52	6.9	53
Audubon	17.0	135	15.1	120	Warren	10.5	85	9.1	72
Calhoun	10.1	80	10.1	80	Wayne	6.2	48	5.6	44
Carroll	23.4	172	19.9	142	<u>SC District</u>	<u>84.5</u>	<u>661</u>	<u>81.0</u>	<u>624</u>
Crawford	23.3	185	21.0	160	Davis	6.3	48	5.7	42
Greene	9.3	73	7.9	61	Des Moines	7.3	58	6.9	55
Guthrie	11.9	92	9.2	68	Henry	13.9	105	14.1	105
Harrison	7.4	56	7.6	58	Jefferson	12.4	89	10.1	72
Ida	10.9	83	10.5	84	Keokuk	23.9	188	26.4	197
Monona	7.9	60	7.3	55	Lee	10.0	80	13.0	101
Sac	20.2	161	21.7	165	Louisa	7.9	60	8.0	57
Shelby	16.7	133	16.7	130	Mahaska	26.3	206	25.4	194
Woodbury	21.9	171	16.0	123	Van Buren	10.1	77	7.6	54
<u>WC District</u>	<u>180.0</u>	<u>1,401</u>	<u>163.0</u>	<u>1,246</u>	Wapello	6.4	49	6.5	47
Boone	12.2	91	13.0	96	Washington	37.0	293	36.3	277
Dallas	8.0	62	9.3	74	<u>SE District</u>	<u>161.5</u>	<u>1,253</u>	<u>160.0</u>	<u>1,201</u>
Grundy	14.9	119	13.6	108					
Hamilton	21.5	159	20.5	157					
Hardin	20.5	155	22.0	161					
Jasper	21.2	163	19.9	151	State	1,430.0	10,990	1,430.0	10,899

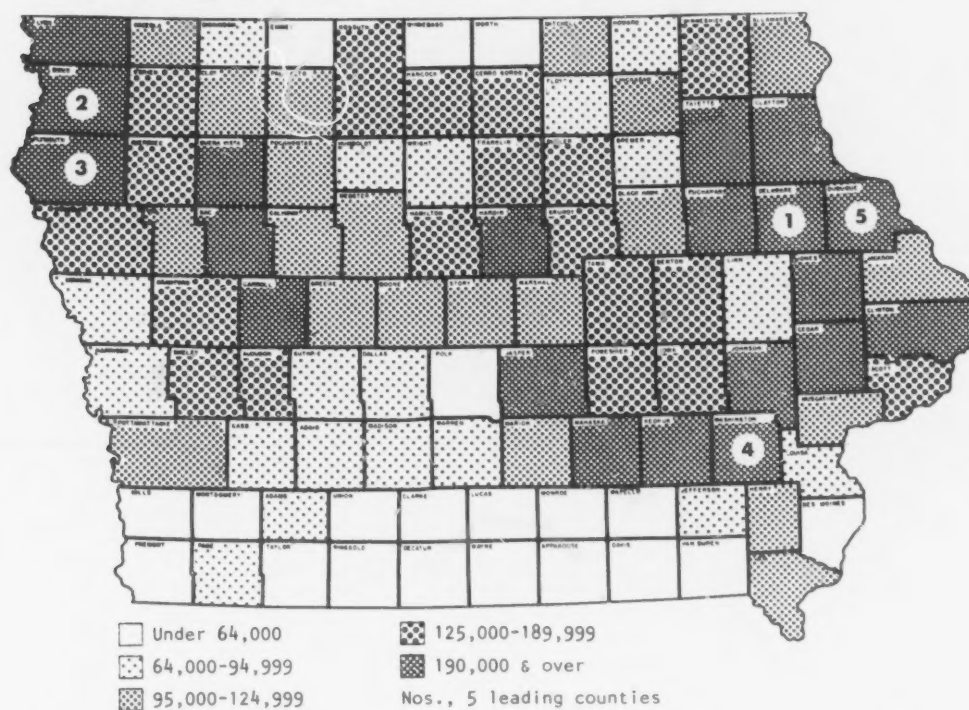
¹Preceding year.

Iowa Hogs: Sows Farrowed And Pigs Saved, Spring And Fall, By County, 1986¹

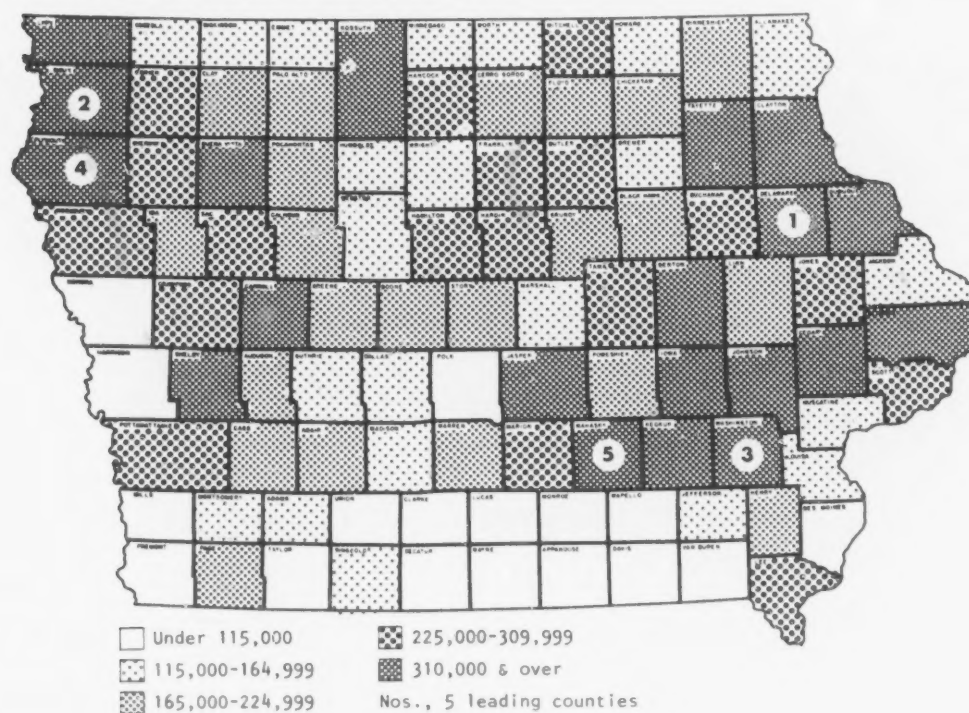
County and district	December ² -May farrowings		June-November farrowings		County and district	December ² -May farrowings		June-November farrowings	
	Sows	Pigs	Sows	Pigs		Sows	Pigs	Sows	Pigs
----- Thousand head -----					----- Thousand head -----				
Buena Vista	18.2	143	23.3	186	Marshall	12.4	99	14.1	113
Cherokee	12.1	96	18.2	151	Polk	3.9	31	4.4	33
Clay	9.9	78	13.6	100	Poweshiek	14.0	112	13.7	108
Dickinson	5.4	42	7.6	61	Story	9.8	78	10.3	85
Emmet	4.2	33	4.2	34	Tama	16.2	129	15.6	124
Lyon	12.6	100	22.9	182	Webster	8.1	64	11.7	92
O'Brien	11.3	87	16.3	124	<u>C District</u>	<u>145.0</u>	<u>1,147</u>	<u>159.5</u>	<u>1,264</u>
Osceola	7.2	56	7.9	60	Benton	16.0	127	16.9	132
Palo Alto	9.9	77	14.4	109	Cedar	21.6	160	26.4	192
Plymouth	31.6	241	32.7	247	Clinton	19.4	145	16.7	122
Pocahontas	8.6	65	13.2	98	Iowa	22.2	174	20.5	162
Sioux	31.0	248	35.2	288	Jackson	15.4	123	14.8	111
<u>NW District</u>	<u>162.0</u>	<u>1,266</u>	<u>209.5</u>	<u>1,640</u>	Johnson	23.8	178	28.2	215
Butler	16.6	132	19.8	155	Jones	16.9	120	26.8	199
Cerro Gordo	12.7	94	12.5	100	Linn	13.5	100	10.8	83
Floyd	7.3	58	8.0	66	Muscatine	14.9	112	11.5	95
Franklin	15.0	115	15.9	122	Scott	14.3	113	11.4	86
Hancock	16.6	129	11.2	87	<u>EC District</u>	<u>178.0</u>	<u>1,352</u>	<u>184.0</u>	<u>1,397</u>
Humboldt	9.1	72	6.6	53	Adair	14.3	111	11.8	86
Kossuth	21.5	172	25.0	207	Adams	6.4	50	7.0	58
Mitchell	16.0	128	15.7	122	Cass	11.0	87	10.0	77
Winnebago	8.3	59	7.1	52	Fremont	5.4	43	4.8	39
Worth	5.1	37	5.7	42	Mills	5.1	40	5.1	37
Wright	8.3	66	9.5	78	Montgomery	8.9	68	9.2	68
<u>NC District</u>	<u>136.5</u>	<u>1,062</u>	<u>137.0</u>	<u>1,084</u>	Page	12.4	99	9.6	79
Allamakee	8.9	68	12.4	94	Pottawattamie	13.9	111	11.0	91
Black Hawk	10.7	83	11.2	89	Taylor	8.6	65	8.5	63
Bremer	6.0	44	6.2	45	<u>SW District</u>	<u>86.0</u>	<u>674</u>	<u>77.0</u>	<u>598</u>
Buchanan	20.3	157	24.7	191	Appanoose	2.6	19	2.9	22
Chickasaw	12.0	94	10.3	76	Clarke	5.7	44	5.2	38
Clayton	25.4	197	28.0	217	Decatur	4.8	35	4.1	31
Delaware	32.9	251	38.8	302	Lucas	4.6	36	4.6	38
Dubuque	25.4	198	27.5	215	Madison	8.9	71	9.5	78
Payette	18.4	145	20.3	160	Marion	19.5	156	18.4	143
Howard	9.3	70	8.3	61	Monroe	5.5	41	5.6	41
Winnesiek	13.2	97	16.3	123	Ringgold	5.6	44	6.5	53
<u>NE District</u>	<u>182.5</u>	<u>1,404</u>	<u>204.0</u>	<u>1,573</u>	Union	6.6	47	7.0	51
Audubon	15.6	121	14.9	118	Warren	8.4	67	9.3	71
Calhoun	8.1	64	8.6	71	Wayne	5.8	46	5.4	40
Carroll	23.1	175	18.8	143	<u>SC District</u>	<u>78.0</u>	<u>606</u>	<u>78.5</u>	<u>606</u>
Crawford	23.3	184	17.9	142	Davis	5.4	41	5.4	40
Greene	8.2	65	8.0	63	Des Moines	7.3	58	6.3	52
Guthrie	9.6	73	7.9	61	Henry	14.0	104	12.0	91
Harrison	6.0	46	6.8	52	Jefferson	10.3	82	10.3	82
Ida	8.8	66	9.0	70	Keokuk	20.0	155	22.5	166
Monona	7.9	57	7.4	61	Lee	8.5	68	11.1	91
Sac	16.2	127	18.5	147	Louisa	7.9	61	8.2	61
Shelby	15.1	117	14.4	112	Mahaska	26.5	212	24.2	196
Woodbury	22.1	167	14.3	113	Van Buren	10.2	81	6.5	53
<u>WC District</u>	<u>164.0</u>	<u>1,262</u>	<u>146.5</u>	<u>1,153</u>	Wapello	6.4	51	6.6	54
Boone	9.8	78	13.1	108	Washington	31.5	249	30.9	248
Dallas	8.0	57	9.5	69	<u>SE District</u>	<u>148.0</u>	<u>1,162</u>	<u>144.0</u>	<u>1,134</u>
Grundy	12.2	97	13.9	112	State	1,280.0	9,935	1,340.0	10,449
Hamilton	17.2	137	17.5	136					
Hardin	16.4	131	18.7	155					
Jasper	17.0	134	17.0	129					

¹Preliminary. ²Preceding year.

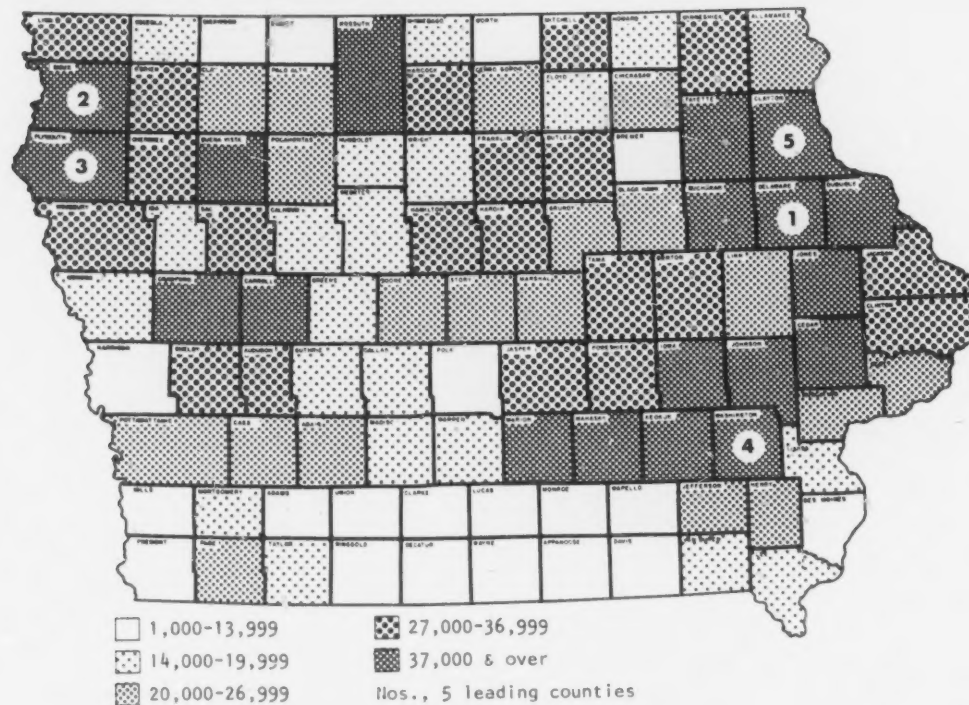
Iowa: All Hogs And Pigs On Farms, December 1, 1986



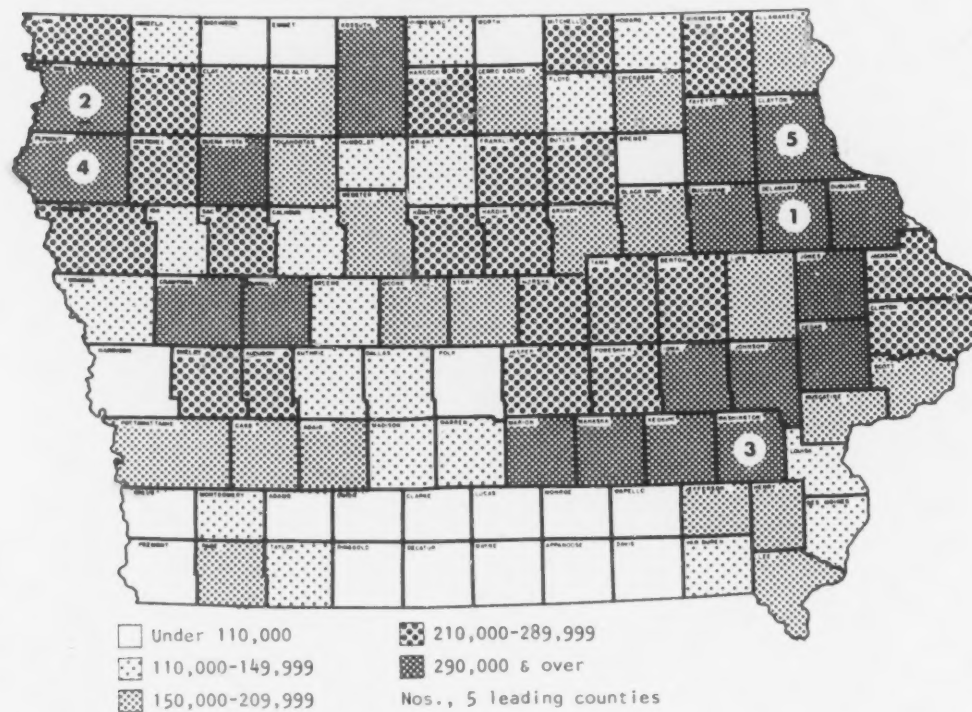
Iowa: Hogs Marketed During 1986



Iowa: Sows Farrowed, 1986



Iowa Pig Crop: Number Of Pigs Saved, 1986



The tables below are guidelines to producers in determining profitability of raising feeder steers or feeder pigs to market weight, using 1986 production costs in the Corn Belt. More detailed data on expenses and prices is available in "Livestock and Poultry Outlook and Situation Report," LPS-10 and LPS-12, U.S. Department of Agriculture, Economic Research Service.

Corn Belt Steer And Hog Prices, Costs, And Net Margins

Year	Steers Omaha	Feed and feeder	Break- even ¹	Net margin	Barrows & gilts, 7 mths.	Feed and feeder	Break- even ²	Net margin
Dollars per cwt.								
1984								
Jan.	67.08	55.82	65.47	+1.61	49.91	37.18	47.97	+1.94
Feb.	67.07	56.54	66.15	+0.92	46.31	35.64	46.40	-0.09
Mar.	68.60	56.77	66.37	+2.23	46.83	37.19	48.07	-1.24
Apr.	67.86	57.18	66.91	+0.95	48.30	38.28	49.30	-1.00
May	65.89	57.94	67.73	-1.84	48.06	41.02	52.46	-4.40
June	64.28	59.46	69.38	-5.10	50.36	44.85	56.68	-6.32
July	65.79	60.56	70.63	-4.84	54.04	48.85	60.96	-6.92
Aug.	64.36	61.09	71.24	-6.88	52.26	49.33	61.51	-9.25
Sep.	62.68	62.68	72.89	-10.21	47.33	45.65	57.51	-10.18
Oct.	60.85	62.93	73.19	-12.34	44.50	43.90	55.62	-11.12
Nov.	64.29	62.01	72.19	-7.90	48.34	40.65	52.18	-3.84
Dec.	65.32	59.89	69.93	-4.61	50.12	39.46	50.98	-0.86
1985								
Jan.	64.35	59.59	69.76	-5.41	49.06	38.62	50.16	-1.10
Feb.	62.80	58.57	68.75	-5.95	48.98	36.23	47.70	+1.28
Mar.	59.58	57.39	67.56	-7.98	43.93	37.10	48.70	-4.77
Apr.	58.72	56.49	66.71	-7.99	41.41	36.55	48.10	-6.69
May	57.58	56.29	66.53	-8.95	42.17	40.95	52.83	-8.95
June	56.69	56.87	67.14	-10.45	45.68	40.57	52.42	-6.74
July	53.26	58.21	68.44	-15.18	46.99	41.56	53.49	-5.50
Aug.	51.94	58.40	68.60	-16.66	43.50	40.42	52.26	-8.76
Sep.	51.29	57.58	67.76	-16.47	45.48	32.38	43.65	+1.83
Oct.	57.40	58.24	68.46	-11.06	43.55	34.38	45.84	-2.29
Nov.	63.30	52.10	67.25	-3.95	44.14	34.60	45.95	-1.81
Dec.	62.94	55.68	65.74	-2.80	46.91	34.58	45.97	+0.09
1986								
Jan.	59.69	52.74	62.48	-2.79	45.48	32.38	43.65	+1.83
Feb.	56.42	52.33	62.10	-5.68	43.55	34.38	45.84	-2.29
Mar.	55.55	50.74	60.44	-4.89	40.88	32.85	44.28	-3.40
Apr.	53.64	51.11	60.87	-7.23	40.27	31.65	42.94	-2.67
May	55.79	52.24	62.04	-6.25	46.91	33.15	44.55	+2.36
June	54.08	51.53	61.23	-7.15	54.50	35.93	47.55	+6.95
July	58.27	52.68	62.43	-4.16	60.99	37.87	49.65	+11.34
Aug.	59.04	52.69	62.45	-3.41	63.39	36.40	47.95	+15.44
Sep.	59.43	53.08	62.87	-3.44	59.01	37.81	49.43	+9.58
Oct.	59.73	51.50	61.08	-1.35	54.21	38.45	50.13	+4.08
Nov.	61.54	51.85	61.43	+1.11	53.62	40.72	52.65	+9.97
Dec.	59.82	50.44	59.94	-1.12	51.42	41.55	53.69	-2.27

¹Selling price required to cover costs of feeding 600 lb. feeder steer to 1,050 lb. slaughter in the Corn Belt. ²Selling price required to cover costs of feeding 40-50 lb. feeder pig to 220 lb. slaughter hog in the Corn Belt. NA = Not Available.

Feeder steer prices consistent with
breakeven, given corn and fed steer prices¹

Corn (farm price)	Choice steers, \$/cwt.				
	50	55	60	65	70
\$/bu.	Feeder steers, \$/cwt				
1.25	53	62	71	80	89
1.50	51	60	69	78	86
1.75	49	58	67	76	84
2.00	47	56	65	73	82
2.25	45	54	63	71	80

¹Assuming all other costs at September 1986 levels. Assumes milo equals 92 percent of the corn feeding value. (See Great Plains custom cattle feeding table).

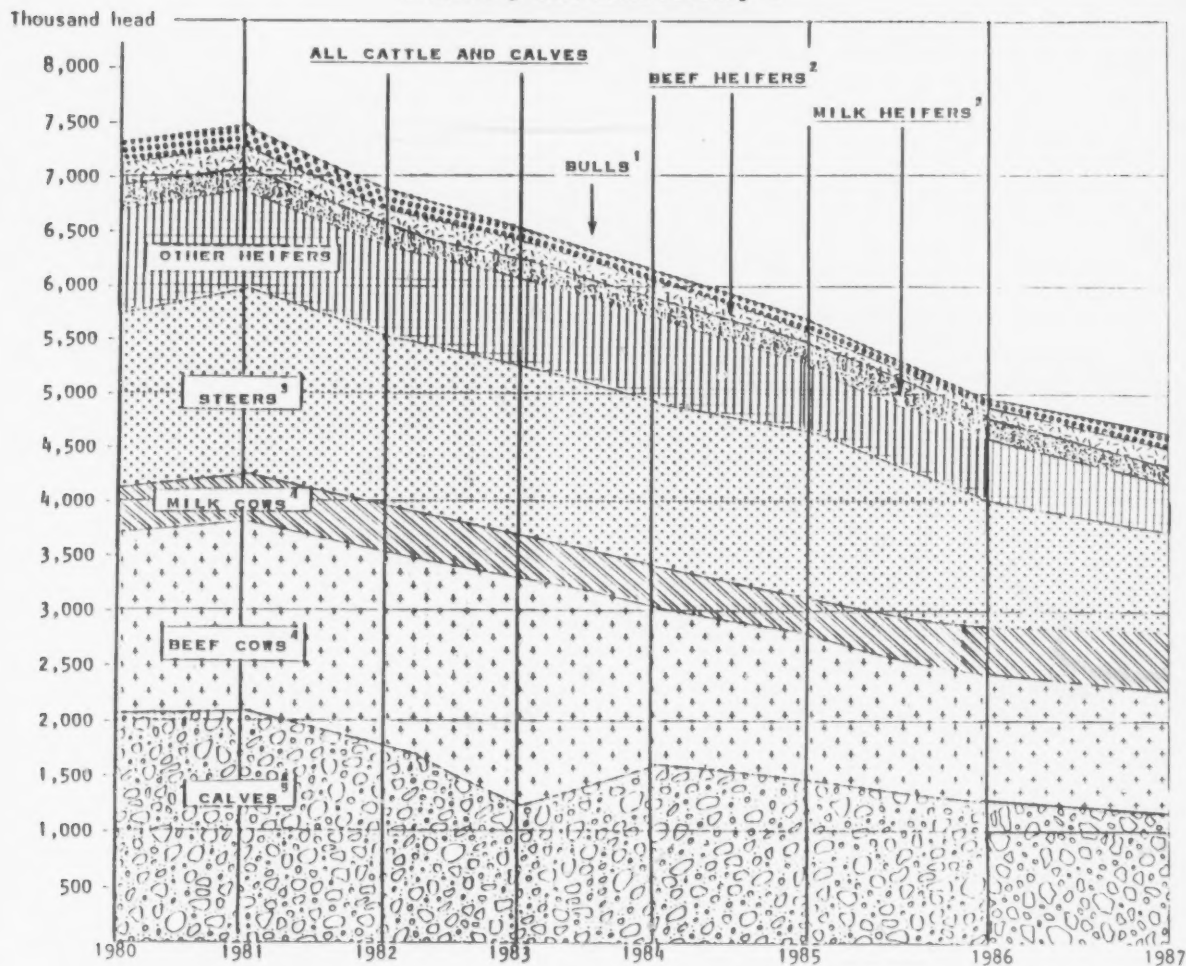
Feeder pig prices consistent with break-
even, given corn and market hog prices¹

Corn (farm price)	Barrow and gilts, \$/cwt.					
	40	45	50	55	60	65
\$/bu.	Feeder pigs, \$ per head					
1.25	30	41	52	63	74	85
1.50	27	38	49	60	71	82
1.75	25	36	47	58	69	80
2.00	22	33	44	55	66	77
2.75	19	30	41	52	63	74

¹Assuming protein and other costs at September 1986 levels.

IOWA CATTLE AND CALVES

Inventory On Farms January 1



¹Bulls 500 pounds and over. ²Heifers 500 pounds and over for replacement. ³Steers 500 pounds and over. ⁴Cows and heifers that have calved. ⁵Steers, heifers, and bulls under 500 pounds.

Number On Farms January 1, Yearly Inventory Value And Calf Crop

Year	All cattle and calves			Cows and heifers that have calved			Calves born prev. year	Heifers 500 lbs. and over			Steers 500 lbs. and over	Bulls 500 lbs. and over	All calves less than 500 lbs.
	Number	Value		Milk	Beef	Total		Milk re-placement	Beef re-placement	Other			
		Per head	Total										
	1000/Hd.	Dol.	1000/\$	-----Thousand head-----									
1977	7,650	210	1,606,500	392	1,903	2,295	2,180	137	199	1,071	1,599	92	2,257
1982	6,850	390	2,671,500	370	1,754	2,124	1,950	157	192	863	1,644	89	1,781
1983	6,350	405	2,571,750	362	1,518	1,880	1,800	133	184	845	1,575	87	1,646
1984	5,900	410	2,419,000	358	1,417	1,775	1,740	135	160	755	1,500	79	1,496
1985	5,600	445	2,492,000	345	1,305	1,650	1,640	130	150	670	1,425	75	1,500
1986	4,950	420	2,079,000	360	1,190	1,550	1,500	145	125	605	1,170	75	1,280
1987 ¹	4,650	430	1,999,500	308	1,182	1,490	1,470	125	140	550	1,065	70	1,210

¹Preliminary.

Number Of Feedlots And Fed Cattle Marketed By Size Of Feedlot Capacity **Iowa & 13 Major States**

Cattle	1976		1984		1985		1986	
	Number of lots ¹	Fed cattle marketed	Number of lots ¹	Fed cattle marketed	Number of lots ¹	Fed cattle marketed	Number of lots ¹	Fed cattle marketed
	1,000 head		1,000 head		1,000 head		1,000 head	
IOWA								
Under 1,000	32,784	2,506	18,546	1,022	15,090	1,290	10,935	1,133
1,000 - 1,999	94	87	335	402	300	241	400	172
2,000 - 3,999	88	135	90	231	110	295	165	232
4,000 - 7,999	24	92	29 ³	269 ³	---	---	---	---
8,000 and over	10	85	---	---	---	---	---	---
Total	33,000	2,905	19,000	1,924	15,500	1,826	11,500	1,537
13 MAJOR STATES²								
Under 1,000	88,134	6,396	56,885	4,293	49,162	4,546	42,661	4,094
1,000 - 1,999	536	797	747	1,044	728	928	861	908
2,000 - 3,999	387	1,058	382	1,422	401	1,328	474	1,366
4,000 - 7,999	235	1,635	204	1,590	200	1,591	198	1,634
8,000 - 15,999	188	2,970	185	3,166	192	3,321	191	3,165
16,000 - 31,999	143	4,927	125	4,883	128	4,531	127	4,504
32,000 and over	57	4,084	69	6,127	75	6,642	80	7,165
Total	89,680	21,867	58,597	22,540	50,886	22,887	44,592	22,836

¹ Number of feedlots with 1,000 head or more capacity is number of lots operating anytime during year. Number under 1,000 head capacity is number at end of year. ² Includes ARIZ, CALIF, COLO, IDAHO, ILL, IOWA, KANS, MINN, NEBR, OKLA, S DAK, TEXAS, and WASH. ³ 4,000 and above.

Iowa Cattle And Calves: Number On Feed, By Quarters

Quarter and year	Steers						Heifers				
	Under 500 lbs.	500-699 lbs.	700-899 lbs.	900-1099 lbs.	1100 & over	Total	Under 500 lbs.	500-699 lbs.	700-899 lbs.	900-1099 lbs.	Total
Thousand head											
January 1											
1976	86	246	364	299	75	1,070	92	123	169	73	457
1982	53	224	188	227	76	768	47	121	108	74	350
1983	61	213	213	206	69	762	65	149	122	100	436
1984	34	154	194	234	54	670	38	106	106	70	320
1985	40	126	166	183	57	572	24	87	104	84	299
1986	21	101	122	131	47	422	24	80	72	65	241
April 1											
1976	19	300	271	299	77	966	31	203	140	77	451
1982	8	185	269	239	69	770	15	155	132	66	368
1983	8	146	268	245	100	767	12	148	153	88	401
1984	6	102	203	209	78	598	6	113	119	75	313
1985	6	102	176	181	102	567	6	97	133	88	324
1986	4	75	127	131	60	397	7	78	90	62	237
July 1											
1976	26	95	343	276	121	861	15	92	199	63	369
1982	5	53	253	294	62	667	5	73	207	107	392
1983	6	37	224	293	62	622	4	48	208	106	366
1984	4	29	125	207	50	415	2	35	139	72	248
1985	4	24	123	184	74	409	3	33	122	96	254
1986	3	18	107	128	49	305	4	30	91	65	190
October 1											
1976	13	79	236	263	66	657	16	84	155	68	323
1982	12	40	167	294	96	609	16	68	153	123	360
1983	5	44	122	230	88	489	5	32	102	105	244
1984	8	34	124	166	45	377	4	39	83	81	207
1985	3	18	75	133	72	301	2	16	68	79	165
1986	3	21	97	141	49	311	4	36	87	77	204

IOWA CATTLE AND CALVES

Number On Feed

Year	Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1	June 1	July 1	Aug. 1	Sep. 1	Oct. 1	Nov. 1	Dec. 1
Thousand head												
1976	1,530	1,560	1,550	1,420	1,400	1,300	1,230	1,100	1,010	980	1,070	1,350
1982	1,130	1,140	1,145	1,150	1,145	1,120	1,060	970	950	970	1,060	1,100
1983	1,210	1,210	1,220	1,180	1,110	1,065	990	885	770	740	850	950
1984	1,000	1,000	980	920	850	740	670	620	560	590	660	805
1985	880	905	905	900	850	780	670	570	500	470	540	630
1986 ¹	670	640	635	640	625	560	500	490	490	520	560	620

¹Preliminary.

Number Marketed And Placements In Feedlots

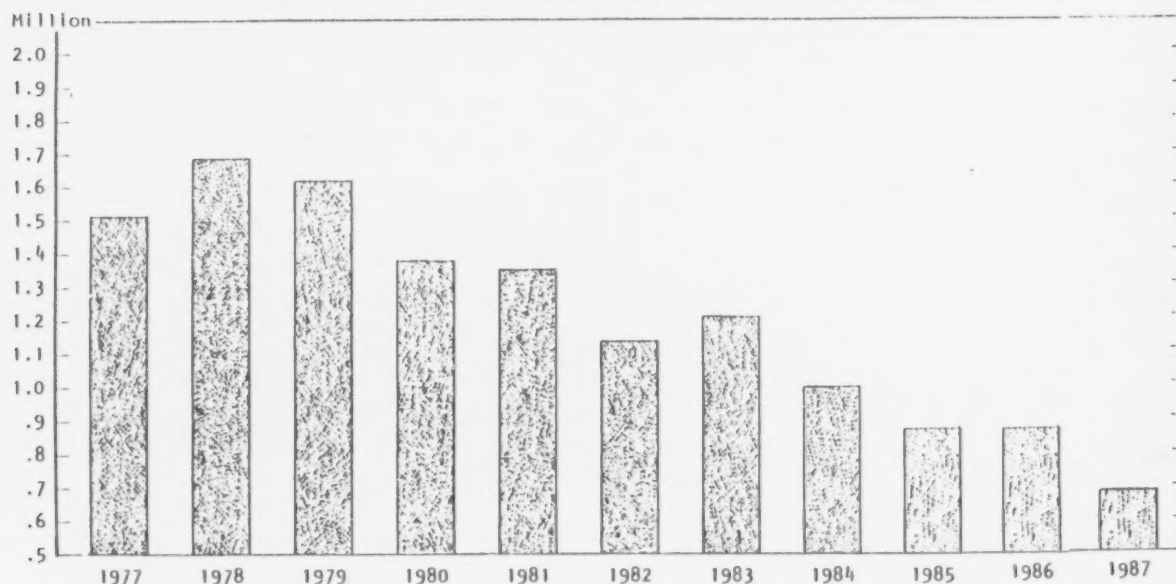
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Thousand head													
Cattle and calves placed on feed													
1976	272	218	149	230	167	210	130	180	240	360	510	420	3,086
1982	230	170	190	190	185	150	125	205	240	335	305	375	2,705
1983	240	180	160	150	173	160	120	130	190	310	320	280	2,413
1984	180	145	125	100	100	100	95	110	175	245	295	260	1,930
1985	170	145	125	105	105	75	60	95	128	235	230	240	1,713
1986 ¹	110	100	120	115	90	86	110	128	160	200	200	200	1,619

Grain fed cattle marketed

1976	230	220	255	230	250	245	250	260	260	245	220	240	2,905
1982	210	150	175	183	200	195	205	220	215	240	255	255	2,503
1983	230	158	190	202	203	225	210	235	215	195	215	215	2,493
1984	170	150	170	155	197	160	140	163	139	169	146	165	1,924
1985	140	135	120	145	165	175	155	160	155	160	135	180	1,825
1986 ¹	135	100	105	120	145	140	115	125	125	157	135	135	1,537

¹Preliminary.

Iowa Cattle On Feed January 1, 1977-1987



IOWA CATTLE AND CALVES

Inventory, Supply, And Disposition

Year	Inventory January 1	Calf crop	Inshipments	Marketings		Farm slaughter	Cattle & calf deaths
				Cattle	Calves		

Thousand head

IOWA

1976	7,500	2,180	2,800	4,468	134	18	210
1982	6,850	1,800	1,800	3,708	141	6	245
1983	6,350	1,740	1,321	3,054	124	8	325
1984	5,900	1,640	1,263	2,867	89	7	240
1985	5,600	1,500	1,000	2,866	71	8	205
1986 ²	4,950	1,470	1,400	2,913	60	7	190

U.S.

1976	127,980	47,384	21,238	55,394	12,485	722	5,190
1982	115,444	44,200	21,289	49,549	10,560	395	5,429
1983	115,001	43,925	19,210	48,089	10,443	410	5,494
1984	113,700	42,500	20,515	50,862	10,253	388	5,464
1985 ¹	109,749	41,045	19,864	49,243	10,530	370	5,046
1986 ²	105,468	41,201	21,211	49,963	10,498	351	5,038

¹ Revised. ² Preliminary.

Production And Income

Year	Production	Marketings	Average price per 100 pounds		Value of production	Cash receipts	Value of home consumption	Gross income
			Cattle	Calves				

--- Thousand pounds ---

--- Dollars ---

----- Thousand dollars -----

IOWA

1976	2,936,630	4,704,540	35.50	36.10	1,042,430	1,670,265	23,352	1,693,617
1982	2,562,390	3,998,460	57.20	60.40	1,464,910	2,267,862	21,088	2,308,950
1983	2,198,750	3,299,010	57.00	60.70	1,252,080	1,881,171	16,099	1,897,270
1984	2,078,310	3,092,940	56.80	59.60	1,180,985	1,757,178	14,207	1,771,385
1985	2,155,730	3,206,680	54.50	62.20	1,169,610	1,748,500	12,763	1,761,263
1986 ²	2,136,650	3,197,850	53.70	61.50	1,146,225	1,717,941	12,734	1,730,675

U.S.

1976	41,398,356	57,160,433	33.70	34.10	13,826,938	19,293,597	501,630	19,795,227
1982	40,714,722	53,275,291	56.70	59.80	22,623,349	29,813,318	576,645	30,389,963
1983	40,301,302	51,990,001	55.50	61.70	22,013,607	28,685,486	554,663	29,240,149
1984	40,030,471	54,644,756	57.30	59.90	22,145,753	30,664,444	554,291	31,218,735
1985 ¹	40,157,633	54,483,633	53.70	62.10	21,196,786	29,050,683	485,093	29,535,776
1986 ²	40,464,719	55,398,117	52.60	61.10	20,924,859	28,910,057	453,337	29,363,394

¹ Revised. ² Preliminary.

CATTLE: SLAUGHTER AND LIVE WEIGHT, IOWA AND U.S.

Number Slaughtered

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total ¹
Thousand head													
IOWA													
1976	369	313	380	348	364	411	407	429	422	428	413	403	4,687
1981	286	248	269	272	266	286	280	274	267	306	296	321	3,371
1982 ²		(792)			(733)			(822)			(884)		3,231
1983	307	257	243	241	263	280	240	299	292	273	286	315	3,296
1984	287	257	245	220	222	210	200	199	178	208	187	183	2,594
1985	183	142	141	156	177	160	176	178	175	178	166	161	1,993
1986 ³	172	133	144	169	178	160	170	156	161	183	165	177	1,969
U.S.													
1976	3,761	3,337	3,815	3,351	3,243	3,578	3,484	3,676	3,749	3,660	3,492	3,510	42,654
1981	3,005	2,659	2,922	2,811	2,756	2,929	2,921	2,934	3,024	3,125	2,855	3,012	34,953
1982 ²		(8,679)			(8,642)			(9,214)			(9,308)		35,843
1983	3,061	2,691	2,980	2,756	2,957	3,139	2,867	3,368	3,312	3,278	3,079	3,161	36,649
1984	3,109	2,971	3,089	2,855	3,301	3,187	3,127	3,396	3,040	3,478	3,086	2,943	37,582
1985	3,277	2,776	2,883	2,971	3,173	2,883	3,139	3,215	2,999	3,240	2,812	2,925	36,293
1986 ³	3,331	2,715	2,839	3,214	3,234	3,123	3,322	3,203	3,128	3,285	2,819	3,076	37,288

Average Live Weight

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
Pounds													
IOWA													
1976	1,043	1,055	1,048	1,044	1,073	1,089	1,080	1,067	1,068	1,072	1,065	1,071	1,065
1981	1,124	1,120	1,123	1,119	1,117	1,099	1,064	1,059	1,067	1,080	1,096	1,097	1,097
1982 ²		(1,085)			(1,082)			(1,063)			(1,092)		1,081
1983	1,098	1,096	1,093	1,086	1,088	1,080	1,071	1,057	1,066	1,083	1,098	1,085	1,083
1984	1,073	1,086	1,088	1,087	1,077	1,073	1,058	1,057	1,070	1,090	1,095	1,092	1,079
1985	1,102	1,107	1,113	1,124	1,132	1,133	1,126	1,123	1,119	1,128	1,130	1,115	1,121
1986 ³	1,118	1,128	1,131	1,139	1,127	1,120	1,110	1,102	1,114	1,126	1,131	1,131	1,123
U.S.													
1976	1,007	1,013	1,022	1,019	1,023	1,020	1,016	1,017	1,018	1,020	1,022	1,025	1,018
1981	1,090	1,093	1,095	1,088	1,080	1,071	1,055	1,052	1,057	1,068	1,073	1,078	1,075
1982 ²		(1,074)			(1,058)			(1,053)			(1,070)		1,064
1983	1,078	1,084	1,079	1,069	1,066	1,061	1,067	1,064	1,067	1,070	1,077	1,070	1,071
1984	1,066	1,074	1,073	1,067	1,063	1,059	1,055	1,060	1,066	1,072	1,072	1,073	1,067
1985	1,080	1,087	1,092	1,098	1,104	1,104	1,100	1,102	1,109	1,104	1,102	1,092	1,098
1986 ³	1,100	1,107	1,110	1,110	1,102	1,094	1,091	1,091	1,102	1,103	1,097	1,099	1,100

Total Live Weight

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total ¹
Million pounds													
IOWA													
1976	385	330	398	363	391	448	440	458	451	459	440	432	4,993
1981	322	278	302	304	297	314	298	290	285	330	324	353	3,697
1982 ²		(859)			(793)			(874)			(966)		3,492
1983	336	282	265	262	286	304	257	317	311	296	314	341	3,571
1984	308	278	266	240	239	225	211	210	191	226	205	200	2,798
1985	201	157	157	176	200	181	198	200	196	201	188	179	2,234
1986 ³	192	151	163	193	200	179	189	172	180	206	186	200	2,211
U.S.													
1976	3,786	3,381	3,899	3,413	3,318	3,649	3,539	3,738	3,818	3,732	3,569	3,599	43,442
1981	3,276	2,907	3,200	3,059	2,975	3,136	3,080	3,087	3,197	3,338	3,063	3,247	37,565
1982 ²		(9,320)			(9,144)			(9,705)			(9,959)		38,128
1983	3,299	2,918	3,216	2,945	3,151	3,330	3,059	3,586	3,535	3,508	3,318	3,383	39,248
1984	3,315	3,192	3,313	3,047	3,510	3,376	3,298	3,601	3,240	3,728	3,307	3,159	40,085
1985	3,539	3,017	3,147	3,260	3,502	3,182	3,452	3,544	3,325	3,577	3,100	3,196	39,841
1986 ³	3,663	3,006	3,151	3,567	3,565	3,416	3,625	3,495	3,447	3,623	3,091	3,381	41,032

¹Totals may not add due to rounding. ²Data was only available quarterly in 1982. ³Preliminary.

Red Meat Production By State And U.S.¹

State	1983	1984	1985	1986
1,000 pounds				
Alabama	254,282	242,451	265,403	244,746
Arizona	256,525	323,093	304,401	272,952
Arkansas	102,202	100,027	94,898	94,794
California	1,466,470	1,517,636	1,407,291	1,320,443
Colorado	1,535,146	1,505,560	1,279,813	1,426,866
Delaware-Maryland	98,726	63,805	63,301	56,256
Florida	233,284	237,003	200,198	142,779
Georgia	463,010	418,869	378,250	437,874
Hawaii	39,092	38,622	40,984	40,917
Idaho	510,755	544,651	567,151	547,655
Illinois	2,157,655	2,080,425	2,252,452	2,031,025
Indiana	745,546	765,092	772,737	743,632
Iowa	<u>5,955,144</u>	<u>5,389,002</u>	<u>5,164,006</u>	<u>4,742,520</u>
Kansas	3,439,920	3,888,171	4,617,530	4,809,384
Kentucky	536,068	527,535	518,126	481,435
Louisiana	70,072	85,741	81,283	73,343
Michigan	1,245,076	1,270,028	1,165,820	1,084,826
Minnesota	1,777,457	1,671,840	1,509,267	1,689,987
Mississippi	519,987	491,820	374,080	404,777
Missouri	1,141,434	895,273	802,261	904,732
Montana	118,312	62,613	28,678	20,697
Nebraska	4,017,557	4,091,565	4,607,729	4,682,370
Nevada	4,766	5,235	4,432	3,415
New England ²	76,495	74,864	77,250	77,959
New Jersey	175,473	159,143	153,048	120,224
New Mexico	99,241	93,556	91,030	100,041
New York	207,714	200,524	176,305	178,485
North Carolina	474,959	459,730	471,142	507,480
North Dakota	100,742	112,679	104,268	94,731
Ohio	1,008,986	1,045,863	1,115,556	990,035
Oklahoma	347,779	370,340	378,392	414,275
Oregon	98,630	103,162	92,396	94,473
Pennsylvania	1,016,490	980,377	934,464	997,599
South Carolina	163,806	165,683	146,215	151,767
South Dakota	1,022,672	1,068,146	977,762	1,144,065
Tennessee	546,308	660,187	670,825	575,017
Texas	4,019,111	4,368,274	4,171,622	4,217,110
Utah	210,386	247,919	282,058	311,427
Virginia	698,591	723,122	750,616	837,661
Washington	720,423	721,314	691,567	667,608
West Virginia	28,650	27,144	25,141	23,285
Wisconsin	1,259,864	1,180,416	1,315,542	1,285,767
Wyoming	9,263	8,652	6,278	3,898
United States	38,974,066	38,987,156	39,131,161	39,050,332

¹Includes total beef, veal, pork, and lamb and mutton, excluding farm slaughter. ²New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Iowa All Cows, January 1, 1986-1987, And Calves Born, 1985-1986, By County

County and district	All cows		All calves		County and district	All cows		All calves	
	1986	1987 ¹	1985	1986 ¹		1986	1987 ¹	1985	1986 ¹
	Number					Number			
Buena Vista	6,300	6,200	6,700	6,100	Marshall	12,800	11,700	13,000	11,800
Cherokee	14,500	13,400	14,500	13,600	Polk	5,700	5,900	5,600	5,600
Clay	7,300	7,000	8,000	7,000	Poweshiek	21,600	20,400	21,500	20,500
Dickinson	5,400	5,000	5,700	5,000	Story	6,600	6,500	6,200	6,400
Emmet	6,100	5,500	6,200	5,600	Tama	18,400	18,700	19,500	18,100
Lyon	18,800	18,000	18,500	17,900	Webster	4,800	4,300	4,700	4,400
O'Brien	8,900	9,300	8,800	8,900	C District	133,500	124,500	130,000	125,000
Osceola	5,500	5,000	5,400	5,100	Benton	16,300	16,100	16,000	15,600
Palo Alto	5,500	5,100	5,300	5,100	Cedar	13,500	12,000	12,500	12,300
Plymouth	19,000	19,700	18,500	18,800	Clinton	14,700	15,500	15,000	14,500
Pocahontas	2,800	2,500	2,900	2,500	Iowa	20,500	18,900	20,500	19,000
Sioux	19,900	19,800	19,500	19,400	Jackson	35,500	34,000	34,000	33,700
NW District	120,000	116,500	120,000	115,000	Johnson	19,200	18,000	18,500	17,800
Butler	12,600	12,100	11,500	11,700	Jones	19,500	20,000	19,500	18,800
Cerro Gordo	5,300	5,200	5,500	5,000	Linn	14,500	14,800	14,500	13,900
Floyd	7,300	7,300	6,900	6,900	Muscatine	10,800	9,400	10,000	9,700
Franklin	7,200	6,900	7,100	6,600	Scott	10,000	9,800	9,500	9,700
Hancock	5,600	5,500	5,500	5,300	EC District	174,500	168,500	170,000	165,000
Humboldt	2,500	2,300	2,400	2,200	Adair	28,300	29,100	27,500	28,100
Kossuth	7,900	7,800	7,800	7,400	Adams	17,100	18,000	17,500	17,100
Mitchell	9,700	9,200	9,000	8,900	Cass	18,700	19,600	19,500	18,700
Winnebago	2,700	2,400	2,600	2,400	Fremont	10,500	10,900	10,000	10,300
Worth	3,500	3,500	3,400	3,200	Mills	7,800	8,300	7,500	7,700
Wright	3,700	3,800	3,300	3,400	Montgomery	13,700	14,600	13,000	13,800
NC District	68,000	66,000	65,000	63,000	Page	14,800	15,200	15,000	14,500
Allamakee	46,000	46,000	42,500	45,000	Pottawattamie	20,500	18,800	20,000	19,200
Black Hawk	9,800	8,200	9,500	8,800	Taylor	20,100	20,000	20,000	19,600
Bremer	14,000	11,800	13,000	12,400	SW District	151,500	154,500	150,000	149,000
Buchanan	16,400	13,600	15,500	14,500	Appanoose	22,800	23,700	21,500	22,200
Chickasaw	12,700	10,700	12,500	11,200	Clarke	17,400	16,900	17,500	16,200
Clayton	48,500	40,500	45,500	43,200	Decatur	28,800	29,200	26,000	27,600
Delaware	30,900	28,900	29,500	28,800	Lucas	21,300	21,600	19,500	20,600
Dubuque	46,500	40,500	43,000	41,900	Madison	23,900	22,800	22,500	22,600
Fayette	34,500	32,000	32,000	31,800	Marion	15,900	14,800	16,000	14,700
Howard	17,700	15,200	17,000	15,700	Monroe	20,200	20,600	19,500	19,300
Winneshie	48,000	45,500	45,000	45,700	Ringgold	24,900	22,800	24,500	23,000
NE District	325,000	292,900	305,000	299,000	Union	23,200	19,600	21,000	20,500
Audubon	13,200	11,400	14,000	12,000	Warren	18,000	17,500	18,500	17,000
Calhoun	6,800	7,300	6,500	6,900	Wayne	25,100	26,000	23,500	24,300
Carroll	11,100	11,200	11,500	10,900	SC District	241,500	235,500	230,000	228,000
Crawford	25,200	22,300	24,500	23,200	Davis	21,500	18,000	21,500	19,300
Greene	12,200	13,200	11,500	12,400	Des Moines	10,300	9,500	10,000	9,700
Guthrie	21,000	22,800	20,000	21,400	Henry	8,900	9,100	9,400	8,800
Harrison	14,200	14,900	14,500	14,200	Jefferson	13,200	13,600	12,000	13,000
Ida	13,300	14,100	12,500	13,400	Keokuk	16,400	15,700	17,000	15,700
Monona	12,700	12,100	12,000	12,100	Lee	12,000	12,400	12,000	11,900
Sac	12,700	13,700	12,500	12,900	Louisa	5,800	5,500	5,600	5,500
Shelby	16,400	17,700	16,500	16,700	Mahaska	15,800	15,100	15,000	15,100
Woodbury	25,700	27,300	24,000	25,900	Van Buren	18,900	19,800	18,500	18,900
WC District	184,500	188,000	180,000	182,000	Wapello	14,200	12,100	14,500	12,800
Boone	6,100	6,500	6,300	6,100	Washington	14,500	12,800	14,500	13,300
Dallas	9,600	7,700	9,400	8,400	SE District	151,500	143,600	150,000	144,000
Grundy	8,400	7,400	8,100	7,600	State	1,550,000	1,490,000	1,500,000	1,470,000
Hamilton	3,300	3,400	3,000	3,200					
Hardin	9,700	7,900	9,700	8,600					
Jasper	26,500	24,100	24,000	24,300					

¹Preliminary.

**Iowa Total Cattle, Beef Cows, Milk Cows On Farms January 1, 1986,
And Grain Fed Marketings During The Year, By County, 1985¹**

County and district	All cattle and calves	Beef cows	Milk cows	Grain fed cattle marketed	County and district	All cattle and calves	Beef cows	Milk cows	Grain fed cattle marketed
Number of head				Number of head					
Buena Vista	33,500	5,500	800	22,500	Marshall	37,000	12,000	800	16,000
Cherokee	85,000	12,500	2,000	52,000	Polk	16,000	5,100	600	6,000
Clay	30,000	6,600	700	20,000	Poweshiek	75,000	20,000	1,600	15,500
Dickinson	32,500	4,700	700	19,000	Story	25,000	5,300	1,300	12,000
Emmet	23,500	5,600	500	16,500	Tama	60,000	16,500	1,900	19,500
Lyon	75,000	11,000	7,800	40,000	Webster	16,000	4,200	600	8,000
O'Brien	70,000	6,500	2,400	60,000	C District	470,000	120,000	13,500	208,000
Osceola	29,500	3,300	2,200	20,000	Benton	65,000	13,500	2,800	26,000
Palo Alto	23,000	4,700	800	17,000	Cedar	37,000	11,500	2,000	20,500
Plymouth	85,000	15,500	3,500	50,000	Clinton	85,000	11,000	3,700	55,000
Pocahontas	28,000	2,200	600	15,000	Iowa	65,000	18,500	2,000	21,000
Sioux	145,000	6,900	13,000	140,000	Jackson	75,000	24,000	11,500	18,000
NW District	660,000	85,000	35,000	472,000	Johnson	55,000	16,500	2,700	9,500
Butler	31,500	7,500	5,100	11,000	Jones	60,000	14,000	5,500	25,000
Cerro Gordo	16,500	4,200	1,100	7,500	Linn	36,000	9,200	5,300	13,000
Floyd	24,000	5,100	2,200	7,500	Muscatine	26,000	9,200	1,600	8,000
Franklin	32,500	5,800	1,400	15,000	Scott	31,000	7,600	2,400	13,000
Hancock	25,000	3,800	1,800	12,000	EC District	535,000	135,000	39,500	203,000
Humboldt	16,000	1,700	800	10,000	Adair	80,000	27,000	1,300	17,500
Kossuth	44,500	5,400	2,500	22,500	Adams	39,500	16,500	600	5,500
Mitchell	38,000	5,000	4,700	18,500	Cass	55,000	18,000	700	31,000
Winnebago	8,500	1,400	1,300	3,500	Fremont	29,500	10,000	500	16,000
Worth	9,000	2,100	1,400	5,500	Mills	30,500	7,500	300	18,000
Wright	14,500	3,000	700	12,000	Montgomery	37,000	13,000	700	17,000
NE District	260,000	45,000	23,000	125,000	Page	45,500	14,000	800	14,500
Allamakee	100,000	23,000	23,000	9,500	Pottawattamie	95,000	19,500	1,000	70,000
Black Hawk	30,000	5,000	4,800	15,500	Taylor	48,000	19,500	600	5,500
Bremer	33,500	3,000	11,000	7,000	SW District	460,000	145,000	6,500	195,000
Buchanan	47,500	9,800	6,600	11,500	Appanoose	44,500	22,000	800	1,500
Chickasaw	41,000	6,200	6,500	12,000	Clarke	41,000	17,000	400	2,500
Clayton	105,000	16,000	32,500	14,500	Decatur	50,000	28,000	800	2,500
Delaware	65,000	7,900	23,000	16,000	Lucas	40,500	20,500	800	3,000
Dubuque	105,000	13,500	33,000	28,000	Madison	60,000	23,000	900	8,000
Fayette	80,000	11,500	23,000	17,500	Marion	48,000	14,000	1,900	7,000
Howard	43,000	8,100	9,600	6,000	Monroe	55,000	19,000	1,200	2,500
Winneshiek	120,000	16,000	32,000	17,500	Ringgold	70,000	24,000	900	4,500
NE District	770,000	120,000	205,000	155,000	Union	60,000	22,500	700	4,500
Audubon	55,000	12,000	1,200	22,000	Warren	46,000	16,000	2,000	4,500
Calhoun	29,500	6,500	300	16,000	Wayne	60,000	24,000	1,100	4,500
Carroll	100,000	9,500	1,600	62,000	SC District	575,000	230,000	11,500	45,000
Crawford	95,000	23,900	2,200	35,000	Davis	47,000	19,500	2,000	2,500
Greene	33,000	12,000	200	17,000	Des Moines	23,000	9,600	700	6,500
Guthrie	65,000	20,000	1,000	12,000	Henry	22,500	8,400	500	5,500
Harrison	37,500	13,000	1,200	8,000	Jefferson	32,000	12,500	700	6,500
Ida	75,000	12,000	1,300	28,000	Keokuk	47,500	15,500	900	8,500
Monona	55,000	12,000	700	19,000	Lee	35,000	9,800	2,200	11,000
Sac	70,000	11,000	1,700	35,500	Louisa	19,000	5,700	100	6,000
Shelby	75,000	15,000	1,400	21,500	Mahaska	70,000	14,000	1,800	25,000
Woodbury	125,000	24,000	1,700	50,000	Van Buren	34,500	18,000	900	3,000
WC District	815,000	170,000	14,500	326,000	Wapello	33,000	13,500	700	5,500
Boone	25,500	5,700	400	18,000	Washington	41,500	13,500	1,000	10,000
Dallas	33,500	9,200	400	13,500	SE District	405,000	140,000	11,500	90,000
Grundy	31,500	6,200	2,200	30,000					
Hamilton	20,500	2,900	400	12,500	State	4,950,000		360,000	
Hardin	60,000	8,900	800	35,000			1,190,000		1,825,000
Jasper	70,000	24,000	2,500	22,000					

¹ Revised.

**Iowa Total Cattle, Beef Cows, Milk Cows On Farms January 1, 1987,¹
And Grain Fed Marketings During The Year, By County, 1986**

County and district	All cattle and calves	Beef cows	Milk cows	Grain fed cattle marketed	County and district	All cattle and calves	Beef cows	Milk cows	Grain fed cattle marketed
Number of head					Number of head				
Buena Vista	34,000	5,500	700	22,000	Marshall	37,000	11,000	700	14,500
Cherokee	84,000	11,500	1,900	47,500	Polk	16,000	5,400	500	5,500
Clay	25,500	6,400	600	19,500	Poweshiek	65,000	19,000	1,400	12,000
Dickinson	30,000	4,400	600	17,500	Story	22,000	5,300	1,200	9,000
Emmet	20,000	5,000	500	12,500	Tama	60,000	17,000	1,700	18,000
Lyon	75,000	11,000	7,000	37,000	Webster	16,000	3,800	500	6,000
O'Brien	70,000	7,100	2,200	53,000	<u>C District</u>	<u>440,000</u>	<u>113,000</u>	<u>11,500</u>	<u>170,000</u>
Osceola	28,000	3,300	1,700	15,500	Benton	55,000	13,500	2,600	22,000
Palo Alto	19,500	4,500	600	13,000	Cedar	37,000	10,500	1,500	17,000
Plymouth	80,000	17,000	2,700	45,000	Clinton	85,000	12,000	3,500	50,000
Pocahontas	24,000	2,000	500	11,500	Iowa	65,000	17,000	1,900	15,000
Sioux	125,000	7,300	12,500	122,000	Jackson	75,000	23,500	10,500	14,000
<u>NW District</u>	<u>615,000</u>	<u>85,000</u>	<u>31,500</u>	<u>416,000</u>	Johnson	45,000	15,500	2,500	7,500
Butler	32,000	8,200	3,900	8,000	Jones	60,000	15,000	5,000	22,000
Cerro Gordo	15,000	4,300	900	6,000	Linn	36,000	10,000	4,800	10,000
Floyd	24,500	5,600	1,700	6,000	Muscatine	21,000	8,200	1,200	7,000
Franklin	26,500	5,800	1,100	11,000	Scott	31,000	7,800	2,000	11,500
Hancock	21,000	4,100	1,400	8,500	<u>EC District</u>	<u>510,000</u>	<u>133,000</u>	<u>35,500</u>	<u>176,000</u>
Humboldt	14,000	1,700	600	7,500	Adair	75,000	28,000	1,100	12,500
Kossuth	39,500	5,900	1,900	17,500	Adams	40,000	17,500	500	4,500
Mitchell	36,500	5,500	3,700	13,500	Cass	55,000	19,000	600	23,000
Winnebago	8,000	1,400	1,000	3,000	Fremont	30,000	10,500	400	11,500
Worth	8,500	2,300	1,200	4,500	Mills	31,000	8,000	300	13,000
Wright	14,500	3,200	600	8,500	Montgomery	37,500	14,000	600	12,000
<u>NC District</u>	<u>240,000</u>	<u>48,000</u>	<u>18,000</u>	<u>94,000</u>	Page	45,500	14,500	700	10,500
Allamakee	95,000	25,000	21,000	7,500	Pottawattamie	95,000	18,000	800	55,000
Black Hawk	24,000	4,200	4,000	11,500	Taylor	41,000	19,500	500	4,000
Bremer	29,500	3,000	8,800	5,500	<u>SW District</u>	<u>450,000</u>	<u>149,000</u>	<u>5,500</u>	<u>146,000</u>
Buchanan	42,000	8,600	5,000	9,000	Appanoose	44,000	23,000	700	1,500
Chickasaw	40,000	5,300	5,400	9,000	Clarke	34,500	16,500	400	2,500
Clayton	90,000	16,000	24,500	10,500	Decatur	48,500	28,500	700	2,500
Delaware	64,000	8,400	20,500	11,500	Lucas	40,000	21,000	600	3,000
Dubuque	85,000	14,000	26,500	20,300	Madison	50,000	22,000	800	8,500
Fayette	75,000	11,000	21,000	13,000	Marion	47,000	13,000	1,800	7,500
Howard	35,500	8,000	7,200	4,500	Monroe	55,000	19,500	1,100	2,500
Winneschiek	100,000	15,500	30,000	13,000	Ringgold	70,000	22,000	800	4,300
<u>NE District</u>	<u>680,000</u>	<u>119,000</u>	<u>173,900</u>	<u>115,000</u>	Union	50,000	19,000	600	4,500
Audubon	55,000	10,500	900	18,000	Warren	45,500	15,500	2,000	4,500
Calhoun	29,500	7,000	300	14,000	Wayne	60,000	25,000	1,000	4,500
Carroll	100,000	10,000	1,200	55,000	<u>SC District</u>	<u>545,000</u>	<u>225,000</u>	<u>10,500</u>	<u>46,000</u>
Crawford	80,000	20,500	1,800	33,500	Davis	47,000	16,500	1,500	2,500
Greene	32,000	13,000	200	16,000	Des Moines	18,500	8,900	600	7,000
Guthrie	65,000	22,000	800	10,000	Henry	20,500	8,700	400	4,500
Harrison	38,500	14,000	900	7,000	Jefferson	29,000	13,000	600	7,000
Ida	75,000	13,000	1,100	20,500	Keokuk	48,000	15,000	700	9,000
Monona	50,000	11,500	600	18,000	Lee	34,500	10,500	1,900	12,000
Sac	70,000	12,000	1,700	32,000	Louisa	15,500	5,400	100	6,500
Shelby	75,000	16,500	1,200	15,500	Mahaska	65,000	13,500	1,600	25,500
Woodbury	125,000	26,000	1,300	43,500	Van Buren	34,000	19,000	800	3,000
<u>WC District</u>	<u>795,000</u>	<u>176,000</u>	<u>12,000</u>	<u>283,000</u>	Wapello	26,500	11,500	600	6,000
Boone	25,500	6,200	300	16,500	Washington	36,500	12,000	800	8,000
Dallas	33,500	7,400	300	9,500	<u>SE District</u>	<u>375,000</u>	<u>134,000</u>	<u>9,600</u>	<u>91,000</u>
Grundy	31,000	5,600	1,800	25,000					
Hamilton	19,000	3,100	300	9,000	State	4,650,000	308,000		
Hardin	50,000	7,200	700	27,500			1,182,000		1,537,000
Jasper	65,000	22,000	2,100	17,500					

¹ Preliminary.

Map of Iowa showing population density by county for 1990. The map uses five shading patterns to represent population ranges:

- Under 10,000
- 10,000-14,999
- 15,000-19,999
- 20,000-24,999
- 25,000-9,999,999

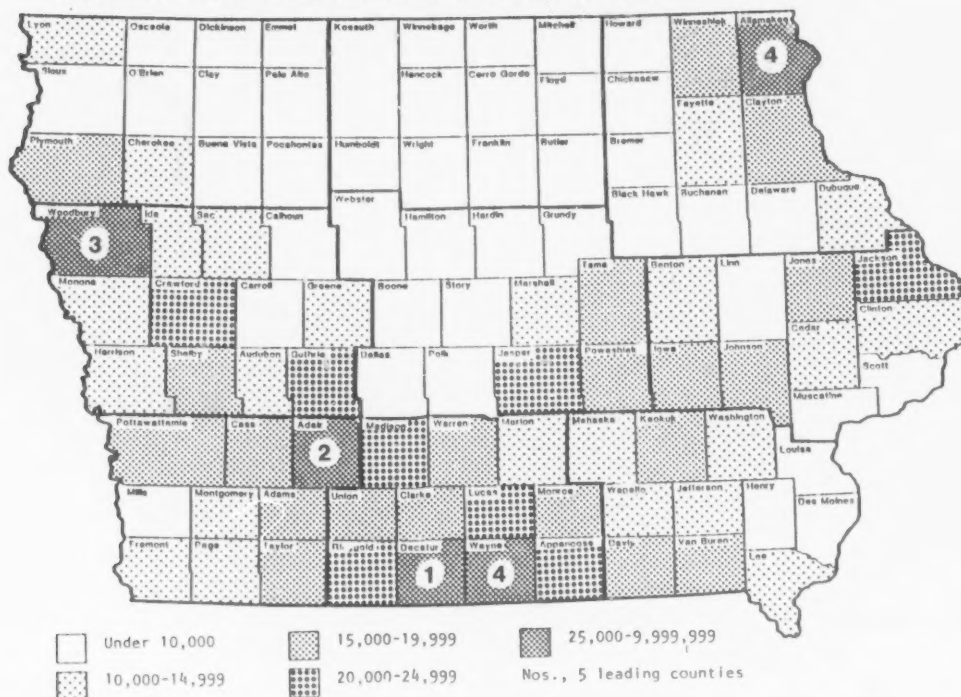
Nos., 5 leading counties

Legend:

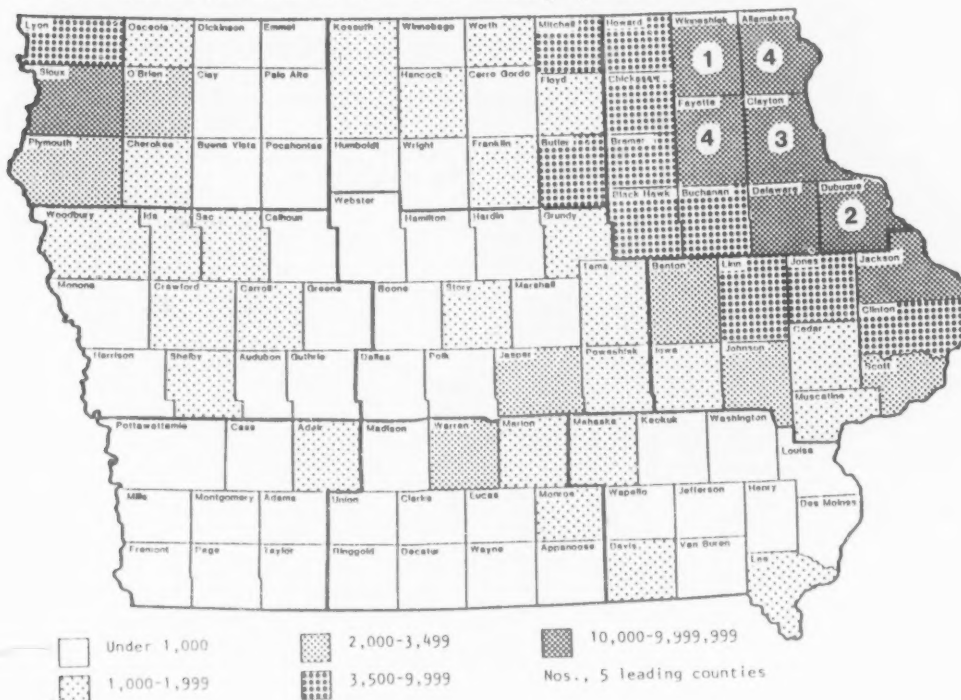
- Under 50,000
- 50,000-69,999
- 70,000-99,999
- 100,000-109,999
- 110,000-9,999,999

Nos. 5 leading counties

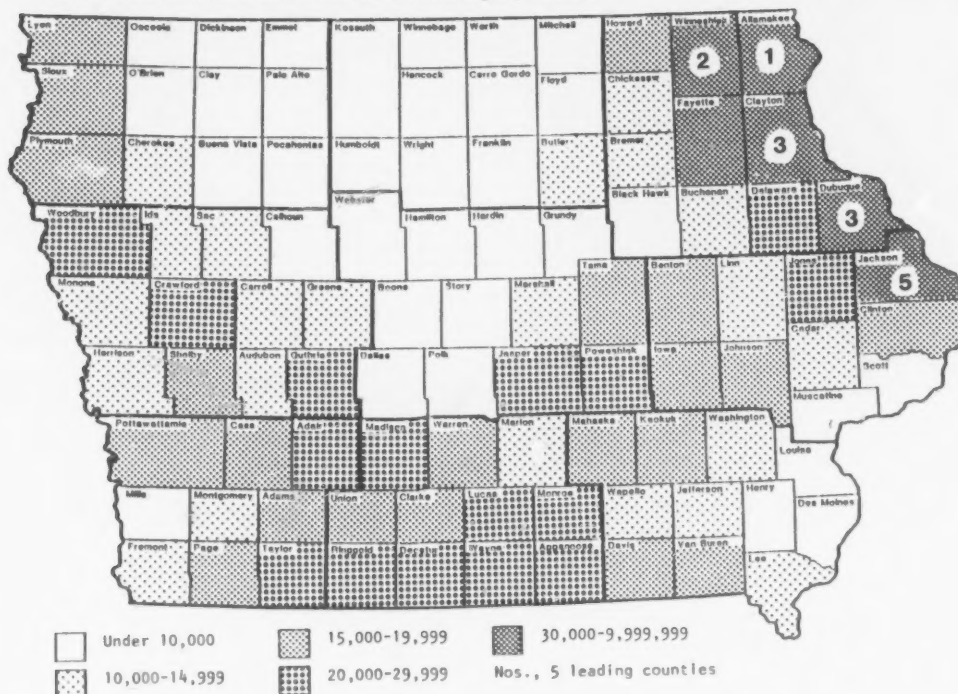
Iowa Beef Cows: Number On Farms January 1, 1987



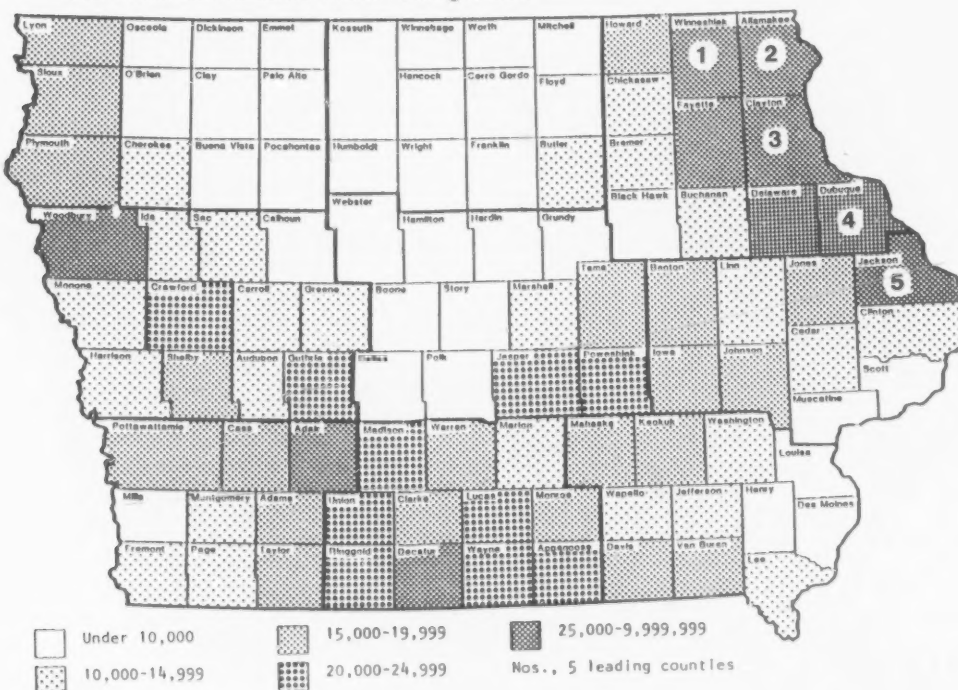
Iowa Milk Cows: Number On Farms January 1, 1987



Iowa Cows: Number On Farms January 1, 1987



Iowa Calves: Number Born During 1986



Iowa Milk Cows: Number And Production

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Average
MILK COWS ON FARMS													
Thousand head													
1976	395	394	393	392	391	391	391	392	392	392	392	392	392
1982 ¹		(362)			(358)			(360)			(362)		361
1983	360	360	361	361	365	362	360	359	359	360	359	358	360
1984	352	345	342	340	339	341	346	350	348	346	345	345	345
1985	341	338	338	342	348	357	357	358	360	360	362	362	352
1986 ²	359	354	354	351	350	341	334	320	320	320	308	308	335
PRODUCTION PER COW													
Pounds													Total
1976	790	765	845	860	940	930	910	855	805	785	770	825	10,087
1982 ¹		(2,760)			(2,895)			(2,805)			(2,650)		11,091
1983	920	885	940	940	995	980	965	945	910	930	900	890	11,211
1984	915	915	935	920	985	975	955	920	890	870	870	885	11,029
1985	900	875	925	940	1,000	1,005	1,000	990	985	980	970	950	11,528
1986 ²	970	940	970	970	1,010	1,000	980	970	930	935	950	950	11,579
TOTAL PRODUCTION													
Million Pounds													Total
1976	312	301	332	337	368	364	356	335	316	308	302	323	3,954
1982 ¹		(999)			(1,036)			(1,010)			(959)		4,004
1983	331	319	339	339	363	355	347	339	327	335	323	319	4,036
1984	322	316	320	313	334	332	330	322	310	301	300	305	3,805
1985	307	296	313	321	348	359	357	354	355	353	351	344	4,058
1986 ²	348	333	343	340	354	341	327	310	298	299	293	293	3,879

¹During 1982, quarterly estimates were made. ²Preliminary.

U.S. Dairy Trade And Dairy Product Imports

Year and quarters	Dairy trade ¹				Year	Dairy products imports ¹			
	Imports					Yearly ³ quota	Imports subj. to quota	Imports not subj. to quota	Total
	Cheese	Other	Exports	Shipments ²					
----- Million pounds -----					----- Million pounds -----				
1984					1970	946	841	1,033	1,874
1st	465	104	487	175	1971	973	776	580	1,356
2nd	548	63	827	174	1972	1,166	1,023	671	1,694
3rd	668	59	1,065	171	1973	3,608	3,263	596	3,859
4th	753	82	559	114	1974	2,293	1,968	955	2,923
Year ³	2,434	307	2,938	634	1975	1,306	976	693	1,669
					1976	1,306	1,037	906	1,943
1985					1977	1,306	1,119	849	1,968
1st	474	169	281	141	1978	1,306	1,226	1,084	2,310
2nd	522	65	1,106	145	1979	1,306	1,235	1,070	2,305
3rd	601	55	578	152					
4th ⁴	800	92	767	128	1980	2,231	1,820	289	2,109
					1981	2,234	2,061	268	2,329
Year ^{3 4}	2,397	380	2,732	566	1982	2,234	2,163	314	2,477
					1983	2,234	2,234 ⁵	373	2,616 ⁵
					1984	2,234	2,258 ⁵	483	2,741 ⁵
1986									
1st	484	190	568	139	1985	2,234	2,283 ⁵	494	2,777 ⁵
2nd	488	56	157	127	1986	2,234	2,283 ⁵	450	2,733 ⁵

¹Milk-equivalent, fat basis. ²To U.S. territories. ³May not add because of rounding. ⁴Revised.

⁵Probable error in reported data.

Iowa Dairy Products: Quantity Manufactured, By Months

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
BUTTER													
Iowa Thousand Pounds													
1976	2,872	3,313	3,536	3,445	3,909	4,170	3,588	2,815	2,313	2,526	2,981	4,200	39,668
1982 ¹		(7,228)			(7,059)			(4,797)			(4,946)		24,030
1983	2,331	2,045	2,439	2,696	2,293	1,915	1,511	294	394	1,035	1,043	1,667	19,663
1984	1,369	1,272	1,455	1,397	1,534	865	898	506	68	164	334	1,182	11,044
1985	1,459	1,396	1,545	1,546	2,059	1,724	972	931	972	1,645	1,402	1,517	17,168
1986 ²	-	-	-	-	-	-	-	-	-	-	-	-	-
United States Million Pounds													
1976	92.5	85.0	90.0	87.0	91.4	83.9	71.5	65.1	64.0	78.1	77.6	92.5	978.6
1982 ¹		(366.6)			(334.0)			(256.4)			(300.0)		1,257.0
1983	139.1	119.2	123.6	124.0	120.7	103.7	91.4	84.6	84.7	100.5	98.1	109.6	1,299.2
1984	127.3	108.9	107.6	103.0	105.1	81.8	72.7	70.2	67.5	84.4	79.8	95.1	1,103.3
1985	116.8	104.6	105.9	111.4	112.9	95.6	92.4	92.1	92.1	109.3	99.4	115.4	1,247.6
1986 ³	136.7	119.3	119.2	122.7	114.7	93.0	79.7	69.9	80.2	85.3	80.3	101.3	1,202.4
AMERICAN CHEESE (Whole Milk)													
Iowa Thousand pounds													
1976	9,709	8,274	9,080	10,372	10,670	11,084	10,114	10,798	9,499	9,013	9,039	8,864	116,516
1982 ¹		(24,570)			(25,640)			(23,317)			(23,527)		97,054
1983	8,167	8,027	9,138	9,242	10,352	10,696	9,420	8,230	7,719	8,385	8,614	9,137	107,127
1984	8,678	8,247	9,105	8,496	9,967	9,532	9,244	9,039	8,188	8,252	7,921	8,827	105,496
1985	9,310	8,047	9,208	9,894	10,907	10,629	10,456	10,338	9,802	10,572	10,061	10,520	119,744
1986 ³	9,998	9,138	10,318	10,850	11,298	10,037	10,000	9,285	8,979	8,766	8,238	9,529	116,436
United States Million pounds													
1976	148.3	147.2	169.4	189.7	207.8	209.7	189.4	178.2	155.6	151.3	146.8	169.1	2,062.4
1982 ¹		(662.1)			(759.4)			(673.2)			(655.7)		2,750.5
1983	237.8	220.0	259.4	263.4	284.7	286.2	260.8	228.8	209.4	222.6	217.8	236.8	2,927.6
1984	226.6	218.5	242.5	244.4	263.8	250.0	218.8	204.6	187.4	194.6	187.1	210.0	2,648.3
1985	219.5	200.5	232.0	253.0	273.5	266.2	259.0	246.3	216.9	229.1	221.9	236.6	2,854.4
1986 ³	241.1	225.1	255.4	264.8	281.9	262.0	242.1	219.2	198.2	196.4	194.1	217.7	2,798.2
COTTAGE CHEESE CURD													
Iowa Thousand pounds													
1976	724	738	878	872	790	830	849	835	811	805	813	762	9,707
1982 ¹		(3,115)			(3,562)			(3,410)			(3,158)		13,245
1983	1,069	1,020	1,185	1,056	1,130	1,096	1,015	1,192	1,147	1,056	926	874	12,766
1984	981	926	1,048	970	984	950	1,070	948	879	939	897	750	11,342
1985	905	848	982	1,004	984	956	987	1,034	961	941	975	877	11,454
1986 ³	984	935	1,039	1,125	1,034	1,010	1,043	1,095	1,009	1,024	859	850	12,007
United States Million pounds													
1976	56.9	55.4	67.3	62.4	62.6	63.0	61.0	59.9	60.1	56.2	55.1	51.3	711.1
1982 ¹		(160.6)			(167.9)			(159.1)			(141.3)		628.9
1983	51.3	49.4	55.6	52.2	55.1	54.6	52.0	55.4	52.3	50.1	46.8	43.1	617.9
1984	48.6	50.5	53.4	51.7	53.5	53.4	52.9	53.9	48.9	51.0	46.1	42.2	606.2
1985	49.3	46.9	52.7	52.5	55.2	49.5	51.4	52.2	48.9	50.7	46.3	43.1	598.8
1986 ³	49.5	47.5	51.3	52.7	54.7	51.6	53.7	51.8	49.4	49.8	44.8	43.3	600.1

¹During 1982, quarterly estimates were made. ²The 1986 data for Iowa was not released to protect confidentiality of individual plants. ³Preliminary.

Iowa Dairy Products: Quantity Manufactured, By Months (Cont.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
ICE CREAM¹													
Iowa Thousand gallons													
1976	665	813	993	1,045	950	1,147	1,144	1,125	1,105	845	788	643	11,263
1982 ²		(3,396)			(4,194)			(4,631)			(3,341)		15,562
1983	1,063	1,138	1,547	1,474	1,396	1,679	1,708	1,748	1,511	1,198	1,092	1,140	16,694
1984	1,058	1,402	1,608	1,627	1,588	1,934	1,931	1,814	1,547	1,493	1,410	1,335	18,747
1985	1,293	1,401	1,788	1,965	2,147	1,971	2,121	2,189	1,776	1,622	1,542	1,399	21,214
1986 ³	1,502	1,679	1,752	2,061	2,286	2,394	2,602	2,679	2,077	2,123	1,409	1,562	24,126
United States Million gallons													
1976	54.5	57.4	73.7	70.8	70.2	83.7	82.5	79.1	74.1	59.8	57.2	54.9	817.9
1982 ²		(184.8)			(236.1)			(246.0)			(184.9)		851.7
1983	54.9	60.5	79.7	69.9	78.6	91.4	85.8	91.1	81.3	66.2	61.3	58.1	878.8
1984	55.8	67.3	78.8	74.8	83.4	91.4	90.9	88.5	75.4	69.6	62.1	56.4	894.5
1985	62.0	60.8	74.4	76.1	86.3	90.2	95.9	90.0	77.1	70.5	59.5	58.6	901.4
1986 ³	62.0	66.0	76.6	79.6	87.8	92.5	96.0	91.1	77.9	73.2	60.3	60.6	923.6
ICE MILK⁴													
Iowa Thousand gallons													
1976	142	229	328	332	428	556	405	399	327	191	188	157	3,682
1982 ²		(1,181)			(2,065)			(2,025)			(1,076)		6,350
1983	331	376	535	588	689	860	788	874	627	465	323	366	6,822
1984	340	465	518	589	735	835	841	805	549	478	425	373	6,953
1985	394	456	570	734	888	821	974	826	605	583	396	350	7,597
1986 ³	610	653	655	827	867	1,026	1,159	941	583	532	360	381	8,594
United States Million gallons													
1976	15.3	17.5	24.5	26.0	28.1	32.3	33.2	31.3	25.1	19.9	16.2	15.6	285.2
1982 ²		(55.6)			(84.1)			(86.4)			(54.2)		280.4
1983	16.5	18.3	24.8	24.3	29.2	33.2	32.9	32.8	27.3	21.5	18.0	16.2	295.1
1984	17.0	20.5	24.5	25.2	30.5	33.7	33.3	32.1	24.6	22.9	18.9	16.8	299.8
1985	17.2	17.8	24.0	27.8	31.9	31.6	34.9	32.3	26.0	23.5	17.9	16.3	301.1
1986 ³	19.0	19.5	25.8	28.9	32.6	33.8	35.1	32.3	26.1	24.4	18.3	18.9	314.7

¹Includes hard and soft-serve. ²During 1982 quarterly estimates were made. ³Preliminary. ⁴Includes hard, soft-serve, freezer-made milk shake, and substandard frozen dessert.

**Iowa Non-Fat Dry Milk For Human Food: Quantity Manufactured
(Spray And Roller Process), By Months**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Iowa Thousand pounds													
1976	5,471	6,031	7,113	7,290	9,442	9,770	8,400	6,070	5,321	5,158	4,955	7,134	82,155
1982 ¹		(25,702)			(28,788)			(22,111)			(17,761)		94,272
1983	7,255	6,624	7,696	7,180	8,616	9,353	9,728	8,425	6,639	6,083	5,795	6,593	89,987
1984	6,623	6,397	6,960	7,052	8,557	8,309	6,674	5,358	5,007	4,766	4,422	5,433	75,558
1985	5,743	5,990	7,385	8,345	10,194	10,469	10,214	10,158	7,384	7,215	6,654	7,402	97,153
1986 ²	8,961	8,354	9,371	9,259	10,274	9,508	8,055	8,004	6,344	6,193	5,265	5,293	94,881
United States Million Pounds													
1976	61.1	68.4	78.8	91.6	105.5	108.1	96.3	76.2	56.1	56.5	53.9	73.7	926.2
1982 ¹		(347.2)			(417.5)			(339.0)			(296.9)		1,400.6
1983	120.9	114.2	133.9	139.2	153.6	154.2	143.4	125.3	102.1	102.7	99.4	111.1	1,499.9
1984	106.8	98.9	108.0	113.9	125.2	116.0	106.2	87.4	70.8	71.2	68.2	88.1	1,160.7
1985	87.6	89.4	104.5	123.1	142.3	143.0	139.7	132.7	106.8	108.3	96.7	115.8	1,390.0
1986 ²	122.4	113.9	127.2	139.0	147.4	133.7	110.9	90.4	74.3	68.8	66.7	89.4	1,284.1

¹During 1982 quarterly estimates were made. ²Preliminary.

Iowa Dry Whey: Quantity Manufactured, By Months

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Iowa Thousand pounds													
1976	5,429	5,105	6,291	5,034	5,354	5,083	5,174	4,920	4,528	4,635	4,086	4,740	60,379
1982 ¹		(13,267)			(15,343)			(14,599)			(16,666)		59,875
1983	5,880	5,394	5,525	5,883	5,996	5,824	4,044	4,692	5,135	5,444	5,067	5,385	64,269
1984	5,022	4,718	5,453	5,318	5,245	4,893	4,654	4,761	4,844	4,898	4,799	5,048	59,653
1985 ²	-	-	-	-	-	-	-	-	-	-	-	-	-
1986 ²	-	-	-	-	-	-	-	-	-	-	-	-	-
United States Million pounds													
1976	51.7	53.0	57.9	60.7	65.0	62.2	57.0	55.9	50.5	47.3	46.7	53.9	661.8
1982 ¹		(194.2)			(210.5)			(193.2)			(192.7)		790.5
1983	76.8	72.1	76.3	77.0	82.3	81.0	75.2	71.9	67.8	68.6	69.8	73.3	892.2
1984	78.5	74.5	81.2	78.8	81.3	78.3	74.1	71.7	69.2	71.9	65.4	73.0	897.9
1985	78.7	69.7	82.2	84.5	89.7	89.2	90.9	86.4	77.2	81.0	74.9	82.4	986.8
1986 ³	81.6	79.8	91.9	92.8	98.2	98.3	89.5	82.8	79.2	77.6	72.0	81.3	1,031.0

¹During 1982 quarterly estimates were made. ²The 1985 and 1986 data for Iowa was not released to protect confidentiality of individual plants. ³Preliminary.

IOWA MILK

Production And Disposition

Year	Production	Milk used on farms where produced			Milk marketed by farmers			
		Fed to calves	Consumed as milk, cream, and butter	Total	Sold to plants and dealers		Sold directly to consumers	Total
					As milk	As cream		

Million pounds

IOWA

1976	3,954	72	64	136	3,780	25	13	3,818
1981 ¹	4,056	53	40	93	3,963	-	-	3,963
1982 ¹	4,004	74	42	116	3,888	-	-	3,888
1983	4,036	72	40	112	3,924	-	-	3,924
1984	3,805	144	50	194	3,611	-	-	3,611
1985 ¹	4,058	80	38	118	3,940	-	-	3,940
1986 ²	3,879	87	42	129	3,750	-	-	3,750

UNITED STATES

1976	120,180	1,567	1,392	2,959	115,479	230	1,512	117,221
1981 ¹	133,013	1,418	886	2,304	128,994	-	1,472	130,467
1982 ¹	135,505	1,521	839	2,360	131,859	-	1,285	133,144
1983	139,672	1,527	842	2,369	136,090	-	1,211	137,301
1984	135,450	2,134	804	2,938	131,371	-	1,141	132,513
1985 ¹	143,147	1,747	709	2,456	139,436	-	1,255	140,691
1986 ²	144,080	1,870	690	2,559	140,306	-	1,214	141,521

¹Revised. ²Preliminary.

Value And Farm Income

Year	Milk sold to plants and dealers		Cash receipts from cream sold	Cash receipts from milk sold to consumer	Cash receipts from dairy	Value of milk consumed where produced	Gross farm income from dairy products
	Price per 100 lbs.	Cash receipts					

Dollars

Thousand dollars

IOWA

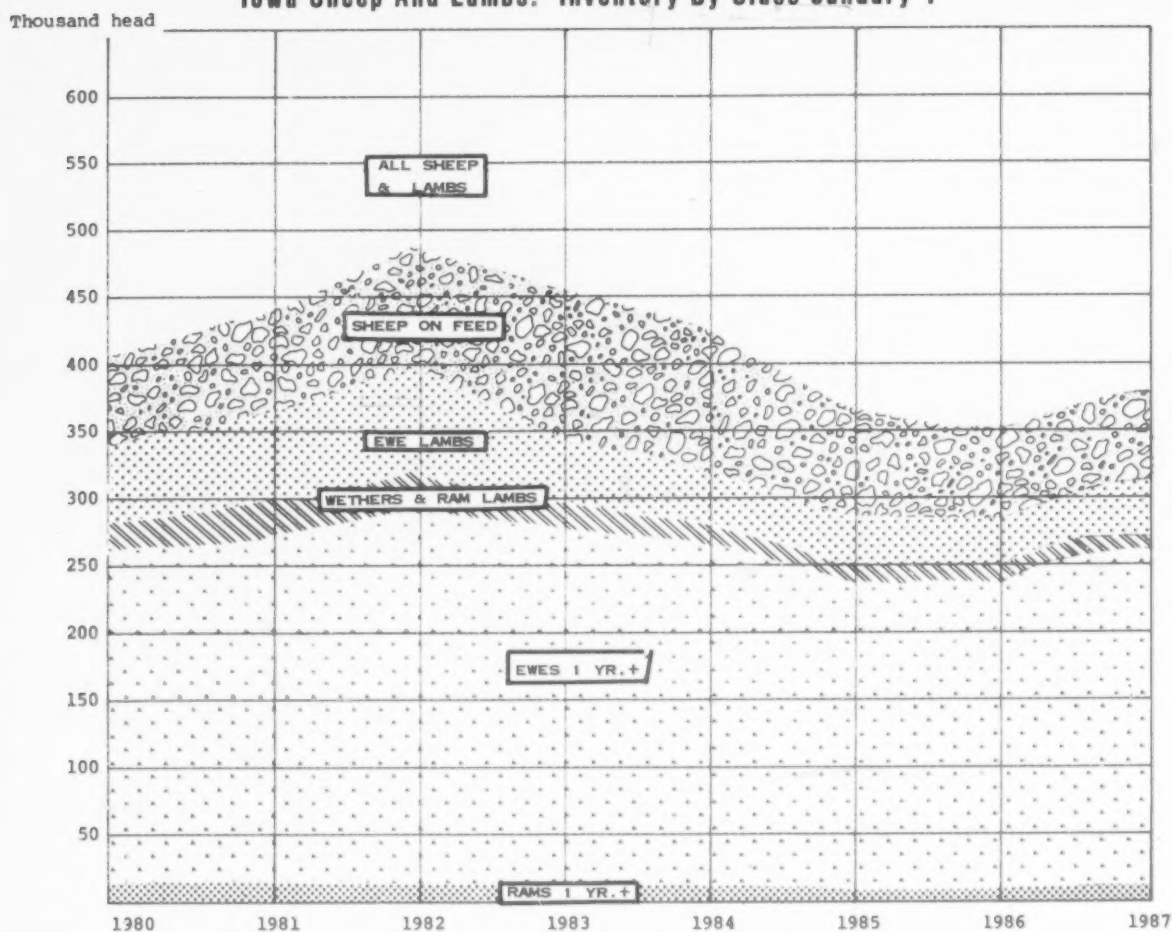
1976	9.05	342,090	867	1,996	344,953	5,779	350,732
1981 ¹	13.30	527,079	-	-	527,079	5,320	532,399
1982 ¹	13.20	513,216	-	-	513,216	5,544	518,760
1983	13.20	517,968	-	-	517,968	5,280	523,248
1984	13.10	473,041	-	-	473,041	6,550	479,591
1985	12.20	480,680	-	-	480,680	4,636	485,316
1986 ²	12.00	450,000	-	-	450,000	5,040	455,040

UNITED STATES

1976	9.66	11,158,050	6,966	255,651	11,420,667	136,765	11,557,432
1981 ¹	13.77	17,764,463	-	330,763	18,095,225	124,050	18,219,275
1982 ¹	13.61	17,945,778	-	287,693	18,233,471	115,809	18,349,280
1983	13.58	18,484,507	-	272,423	18,756,930	115,894	18,872,823
1984 ¹	13.46	17,682,385	-	261,233	17,943,618	109,831	18,053,449
1985 ¹	12.75	17,778,640	-	284,321	18,062,961	92,329	18,155,290
1986 ²	12.51	17,550,874	-	273,244	17,824,118	87,879	17,911,998

¹Revised. ²Preliminary.

Iowa Sheep And Lambs: Inventory By Class January 1



Iowa Sheep And Lambs: Number On Farms And Value January 1

Year	All sheep and lambs			Stock sheep				
	Number on farms	Total value	Number on feed	Total	Ewe lambs	Wethers & ram lambs	Ewes 1 yr.+	Wethers & rams 1 yr.+
	Thou. head	Thou. dol.		Thousand head				
1977	388	13,968	70	318	38	9	260	11
1982	485	25,705	85	400	80	24	283	13
1983	457	22,850	117	340	47	12	270	11
1984	425	20,400	105	320	39	9	260	12
1985	360	20,520	80	280	33	7	230	10
1986	350	25,200	70	280	33	7	230	10
1987 ¹	375	28,875	65	310	36	8	255	11

¹Preliminary.

IOWA SHEEP AND LAMBS

Inventory, Supply, And Disposition

Year	Inventory January 1	Lamb Crop	Inshipments	Marketings		Farm Slaughter	Sheep and Lamb Deaths
				Sheep	Lambs		

Thousand head

IOWA

1976	385	290	93	18	283	4	75
1982	485	340	93	79	291	2	89
1983	457	320	79	25	311	2	93
1984	425	320	64	46	320	3	80
1985	360	310	89	19	322	1	67
1986 ²	350	330	91	10	314	1	71

U.S.

1976	13,311	8,888	2,469	1,495	8,120	202	2,129
1982	12,997	8,580	2,115	2,124	7,358	195	1,875
1983	12,140	8,209	1,838	1,820	7,104	171	1,608
1984	11,487	7,773	1,848	1,805	6,994	141	1,724
1985 ¹	10,443	7,412	1,693	1,569	6,478	135	1,383
1986 ²	9,983	7,349	1,781	1,306	6,079	127	1,274

¹Revised. ²Preliminary.

Number Slaughtered

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
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Thousand head

IOWA

1976	18.5	18.2	20.6	17.7	15.9	22.8	25.5	25.5	29.0	31.0	28.0	27.5	280.2
1982 ¹		65.4			63.5			90.7			89.9		309.5
1983	29.4	29.4	34.9	25.6	39.3	53.8	46.7	55.8	59.0	57.4	55.1	64.5	551.0
1984	64.5	72.4	71.1	64.8	71.3	58.8	68.6	74.5	66.1	75.0	71.1	74.1	832.4
1985	79.4	60.8	66.9	58.4	47.6	47.7	64.4	73.9	84.5	99.9	83.1	73.6	840.1
1986 ²	62.1	46.7	54.5	39.5	36.8	46.8	36.4	40.6	41.7	44.3	34.3	37.0	520.5

U.S.

1976	600.8	528.1	586.7	589.8	447.6	523.4	547.2	584.9	646.2	573.9	533.8	551.1	6,713.5
1982 ¹		1602.0			1537.4			1628.0			1681.3		6,448.7
1983	521.7	468.5	633.5	523.5	526.8	525.5	514.3	608.3	617.0	600.6	528.2	551.3	6,619.4
1984	553.3	561.3	600.5	615.8	573.4	516.4	528.7	583.1	547.6	608.0	540.6	530.4	6,759.0
1985	556.8	483.8	578.0	533.4	508.9	438.0	502.5	516.6	497.1	570.4	475.3	504.4	6,165.2
1986 ²	518.0	451.6	540.4	492.5	431.6	419.5	449.5	443.6	510.8	510.5	412.8	454.3	5,635.0

¹In 1982 slaughter figures were compiled quarterly instead of monthly. ²Preliminary.

IOWA SHEEP AND LAMBS

Production And Income

Year	Production	Marketings	Average price per 100 pounds		Value of production	Cash receipts	Value of home consumption	Gross income
			Sheep	Lambs				
	Thousand pounds		Dollars			Thousand dollars		

IOWA

1976	26,382	32,281	11.00	46.20	11,367	14,134	277	14,411
1981	27,888	28,273	23.90	53.30	12,873	14,057	259	14,316
1982	29,786	39,387	20.90	52.90	13,236	17,726	257	17,983
1983	28,406	37,065	15.00	53.50	14,485	18,646	208	18,854
1984	28,924	40,528	15.90	61.90	17,445	22,484	360	22,844
1985	30,487	37,731	23.70	67.10	19,729	24,303	65	24,368
1986 ²	33,099	36,547	28.30	69.80	21,744	25,008	135	25,143

U.S.

1976	733,026	969,672	13.10	46.90	315,581	393,101	9,173	402,274
1981	772,382	885,634	21.20	54.90	359,085	416,081	12,334	428,415
1982	785,425	1,017,918	19.50	53.10	355,703	445,134	13,000	458,134
1983	767,553	966,515	15.70	53.90	356,690	426,356	10,599	436,955
1984	692,185	941,196	16.40	60.10	375,584	465,450	11,129	476,579
1985 ¹	694,217	868,942	23.90	67.70	427,805	503,202	12,768	515,970
1986 ²	720,733	808,987	25.60	69.00	443,565	483,541	12,506	496,047

¹Revised January 1986. ²Preliminary.

Wool Production And Income

Year	Sheep shorn	Weight per fleece	Production	Price per pound	Value
	Thousand head	Pounds	Thousand pounds	Cents	Thousand dollars

IOWA

1976	435	7.3	3,178	.51	1,621
1981	510	7.3	3,711	.71	2,635
1982	530	7.2	3,822	.44	1,682
1983	560	7.0	3,908	.38	1,485
1984	470	6.9	3,262	.54	1,761
1985	415	6.9	2,848	.42	1,196
1986 ²	435	7.0	3,054	.45	1,374

U.S.

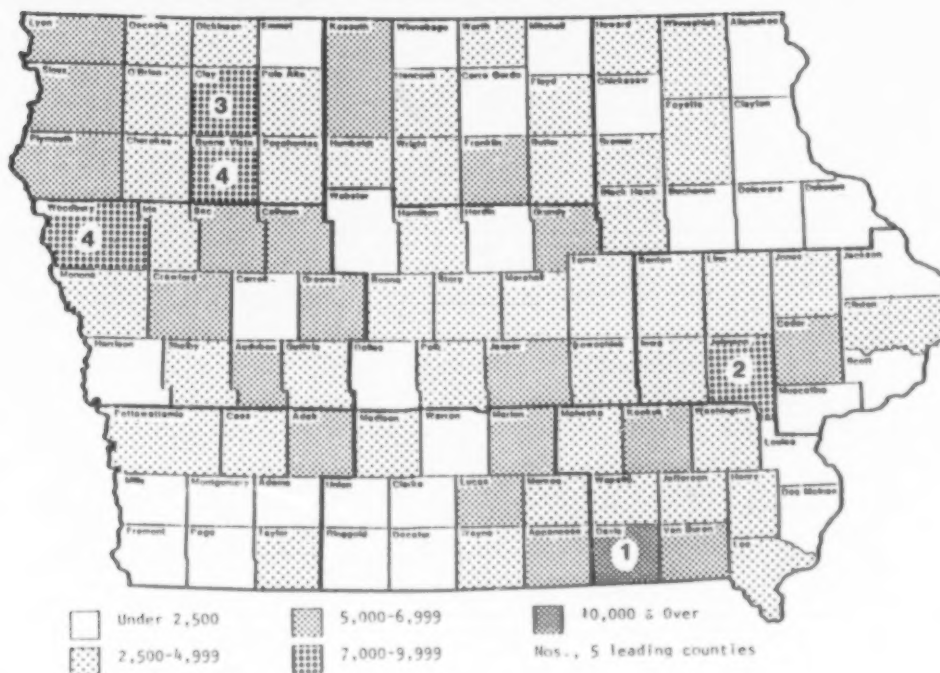
1976	13,669.0	8.11	110,817	65.7	73,148
1981	13,477.0	8.14	109,689	94.4	103,578
1982	13,151.5	8.03	105,596	68.5	72,349
1983	12,864.9	8.00	102,886	61.2	62,978
1984	12,284.3	7.77	95,471	79.5	75,876
1985 ¹	11,158.0	7.88	87,941	63.3	55,657
1986 ²	10,802.0	7.81	84,356	66.8	56,331

¹Revised. ²Preliminary.

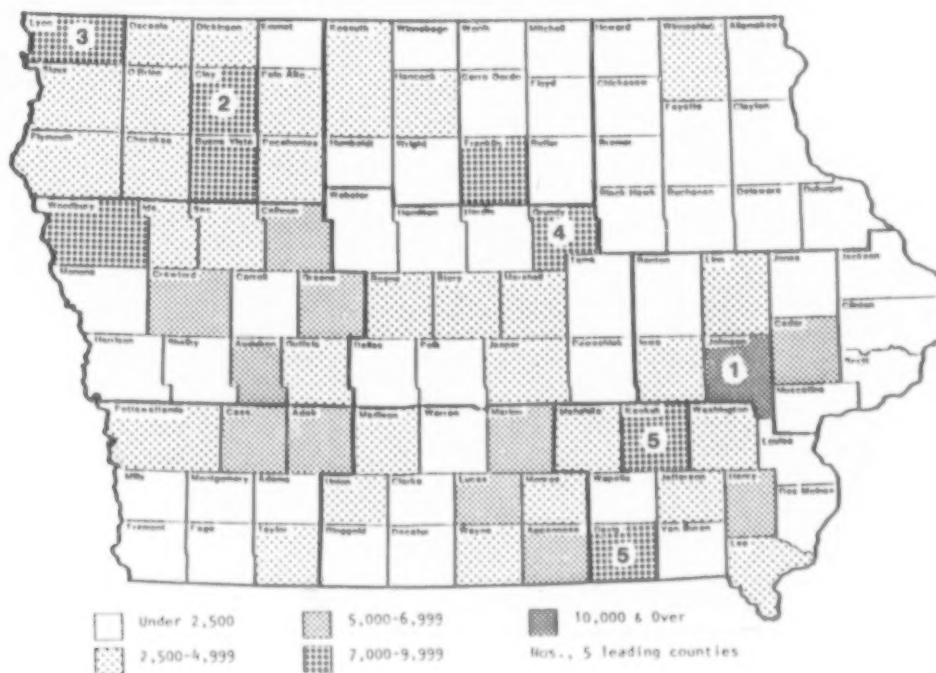
**Iowa Sheep And Lambs: January 1, 1986-87 Inventory And
Grain Fed Marketings During 1985-1986**

County and district	Inventory		Marketings		County and district	Inventory		Marketings	
	1986	1987	1985	1986		1986	1987	1985	1986
	Number of head					Number of head			
Buena Vista	6,300	7,300	8,900	7,500	Marshall	3,600	3,700	2,300	2,600
Cherokee	4,700	4,900	3,900	4,700	Polk	3,000	3,000	1,900	1,700
Clay	8,400	9,300	9,900	9,300	Poweshiek	4,300	4,200	2,500	2,300
Dickinson	3,800	4,000	3,700	4,100	Story	3,100	3,400	4,000	3,600
Emmet	1,300	1,400	1,000	1,000	Tama	5,000	4,900	2,600	2,400
Lyon	6,100	6,300	10,000	8,600	Webster	1,700	1,700	800	800
O'Brien	4,000	4,200	4,700	4,500	<u>C District</u>	<u>41,000</u>	<u>43,000</u>	<u>34,900</u>	<u>31,500</u>
Osceola	3,600	3,800	4,100	3,900	Benton	3,500	4,000	2,500	2,400
Palo Alto	2,800	3,200	5,100	3,900	Cedar	6,300	6,200	5,700	6,100
Plymouth	4,600	5,100	3,700	4,600	Clinton	2,600	2,600	1,700	2,100
Pocahontas	2,800	3,200	5,900	4,700	Iowa	3,700	3,600	4,300	3,900
Sioux	4,600	5,300	2,300	3,200	Jackson	1,700	1,900	1,000	1,000
<u>NW District</u>	<u>53,000</u>	<u>58,000</u>	<u>63,200</u>	<u>60,000</u>	Johnson	10,000	9,900	16,600	13,800
Butler	4,000	4,100	1,500	1,400	Jones	2,900	3,300	1,800	1,700
Cerro Gordo	2,200	2,300	2,100	1,900	Linn	4,000	3,900	2,300	2,600
Floyd	3,200	3,300	2,200	2,000	Muscatine	2,400	2,400	1,500	1,400
Franklin	5,700	5,700	8,000	7,100	Scott	1,900	2,200	1,300	1,200
Hancock	3,600	3,700	5,000	4,500	<u>EC District</u>	<u>39,000</u>	<u>40,000</u>	<u>38,700</u>	<u>36,200</u>
Humboldt	2,400	2,500	2,300	2,100	Adair	5,200	5,100	5,800	5,700
Kossuth	5,800	5,900	3,700	3,300	Adams	1,500	1,600	1,900	1,900
Mitchell	2,300	2,400	2,500	2,300	Cass	4,100	4,000	7,000	5,800
Winnebago	2,000	2,100	1,600	1,500	Fremont	900	1,000	500	500
Worth	2,400	2,500	1,900	1,700	Mills	1,000	1,000	800	800
Wright	2,400	2,500	2,100	1,900	Montgomery	1,800	1,800	2,700	2,200
<u>NC District</u>	<u>36,000</u>	<u>37,000</u>	<u>32,900</u>	<u>29,700</u>	Page	1,600	1,600	1,300	1,800
Allamakee	1,600	1,700	700	700	Pottawattamie	2,900	2,900	2,700	2,600
Black Hawk	3,400	3,800	1,700	1,600	Taylor	3,000	3,000	4,000	3,500
Bremer	2,300	2,500	2,100	2,100	<u>SW District</u>	<u>22,000</u>	<u>22,000</u>	<u>26,700</u>	<u>24,800</u>
Buchanan	1,800	2,000	2,400	2,200	Appanoose	5,400	6,200	4,600	5,700
Chickasaw	1,300	1,500	700	700	Clarke	1,400	1,600	1,200	1,700
Clayton	1,900	2,100	2,000	1,900	Decatur	1,700	1,900	1,500	2,000
Delaware	1,800	2,000	700	700	Lucas	4,300	5,000	6,000	5,600
Dubuque	1,600	1,700	1,100	1,100	Madison	4,000	4,600	3,000	3,000
Fayette	3,100	3,500	1,600	1,500	Marion	4,300	5,000	7,700	6,800
Howard	3,300	3,700	1,600	1,600	Monroe	3,400	3,900	4,900	4,900
Winnesiek	3,900	4,500	2,900	2,900	Ringgold	1,800	2,100	1,900	1,900
<u>NE District</u>	<u>26,000</u>	<u>29,000</u>	<u>27,500</u>	<u>17,000</u>	Union	1,900	2,200	1,500	2,500
Audubon	4,400	5,100	5,000	5,100	Warren	1,400	1,600	1,700	1,700
Calhoun	5,200	6,000	6,100	6,100	Wayne	3,400	3,900	2,700	2,700
Carroll	1,400	1,600	1,400	1,400	<u>SC District</u>	<u>33,000</u>	<u>38,000</u>	<u>36,700</u>	<u>38,500</u>
Crawford	5,500	6,200	6,100	6,200	Davis	17,000	17,000	8,700	7,700
Greene	5,200	6,000	5,100	5,200	Des Moines	1,700	1,700	1,200	1,600
Guthrie	2,600	3,000	2,500	2,500	Henry	4,600	4,500	6,100	5,400
Harrison	1,800	2,100	1,400	1,400	Jefferson	3,300	3,300	3,700	3,300
Ida	3,300	3,800	2,700	2,700	Keokuk	5,400	6,200	9,800	7,700
Monona	2,300	2,600	2,000	2,000	Lee	4,200	4,100	3,000	2,700
Sac	5,500	6,400	4,600	4,700	Louisa	1,400	1,400	800	800
Shelby	2,500	2,900	2,300	2,300	Mahaska	3,400	3,300	2,200	2,500
Woodbury	6,300	7,300	7,300	7,400	Van Buren	4,700	5,400	2,400	2,200
<u>WC District</u>	<u>46,000</u>	<u>53,000</u>	<u>46,500</u>	<u>47,000</u>	Wapello	3,600	3,500	1,500	1,400
Boone	2,800	3,100	3,500	3,100	Washington	4,700	4,600	4,500	4,000
Dallas	1,800	1,800	1,100	1,000	<u>SE District</u>	<u>54,000</u>	<u>55,000</u>	<u>43,900</u>	<u>39,300</u>
Grundy	5,800	6,500	10,600	8,400	State	350,000	375,000	341,000	324,000
Hamilton	3,000	3,300	1,300	1,200					
Hardin	2,200	2,400	1,300	1,200					
Jasper	4,700	5,000	3,000	3,200					

Iowa Sheep: Number On Farms January 1, 1987



Iowa Grain Fed Sheep Marketed: Number Marketed 1986



1986 Poultry Summary

IOWA

Chicken inventories at 7.7 million birds on hand December 1, 1986, in the state showed a decrease of 5 percent below the previous year. The average number of layers on hand during 1986 was 5.85 million, 11 percent below the 6.55 million birds during 1985. Production per bird at 247 eggs was up from 244 in 1985. Total egg production in 1986 was 1,441 million eggs, 10 percent below the previous year. Value of production from eggs dropped to \$58.6 million from \$59.2 million in 1985. The eggs produced brought an average of 48.8 cents per dozen, up from the 44.4 cents received in 1985.

Iowa hatcheries produced an estimated 18,532 million egg-type chicks during 1986, up 2 percent from the 18,114 million produced in 1985.

Turkey producers in Iowa raised 7,000 million turkeys in 1986, up from the 6,300 million produced in 1985. The average price received for this production was 45.0 cents per pound, down 1 cent from last year. The gross income totaled \$72.450 million; this was up 8 percent from the \$67.234 million in gross income last year.

UNITED STATES

The combined value of production from eggs, broilers, and turkeys and the value of sales from chickens, in 1986 was \$12.4 billion, up 13 percent from the \$10.9 billion in 1985. Of the combined

total, 55 percent was from broilers, 28 percent from eggs, 16 percent from turkeys, and 1 percent from other chickens.

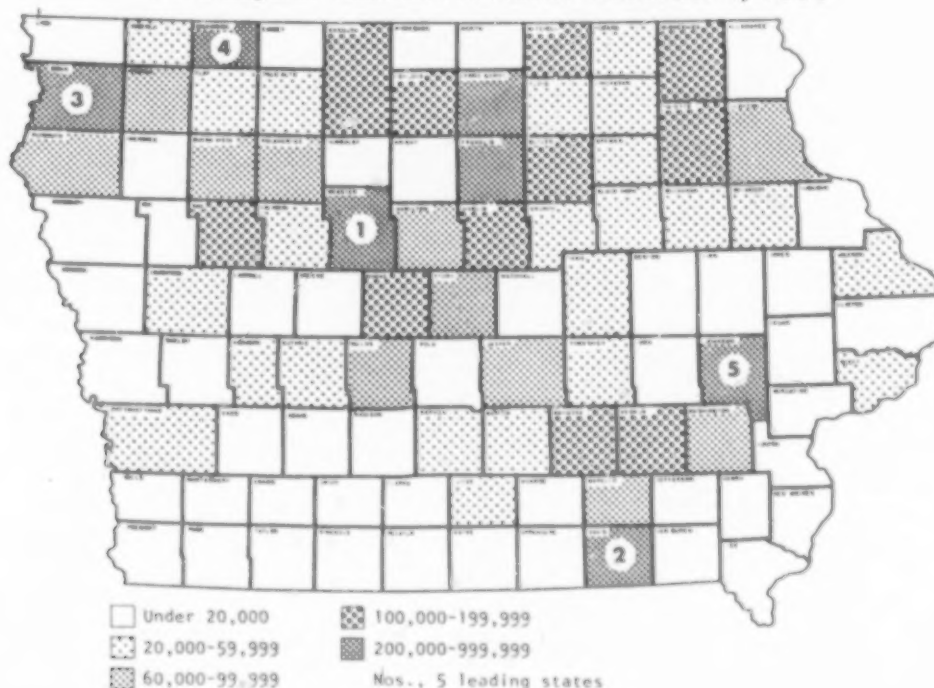
Value of egg production in 1986 was \$3.52 billion, up 8 percent from the \$3.25 billion in 1985. In 1986, eggs averaged 61.6 cents per dozen, compared with 57.1 cents in 1985.

The value of sales from chickens (excluding broilers) in 1986 was \$128 million, down 16 percent from the \$152 million a year ago. Prices averaged 12.5 cents per pound live weight compared with 14.8 in 1985.

The value of broilers produced during 1986 was \$6.78 billion, up 19 percent from the \$5.68 billion in 1985. The total number of broilers produced in 1986 was 4.65 billion, up 4 percent from 1985. A record high total of 19.7 billion pounds were produced compared with 18.9 billion pounds a year earlier. Prices in 1986 averaged 34.5 cents per pound on a live weight equivalent basis, compared with 30.1 cents during 1985.

The value of turkeys produced during 1986 was a record high \$1.95 billion, 7 percent above the \$1.82 billion level of the previous year. A 12 percent increase in the number of head produced contributed most to the new record level. Turkey production in 1986 totaled 4.14 billion pounds liveweight, compared with 3.70 billion pounds in 1985. The prices received by producers during 1986 averaged 47.1 cents per pound of live weight, compared with 49.1 cents a year earlier.

Iowa Layers: Number On Farms December 1, 1986



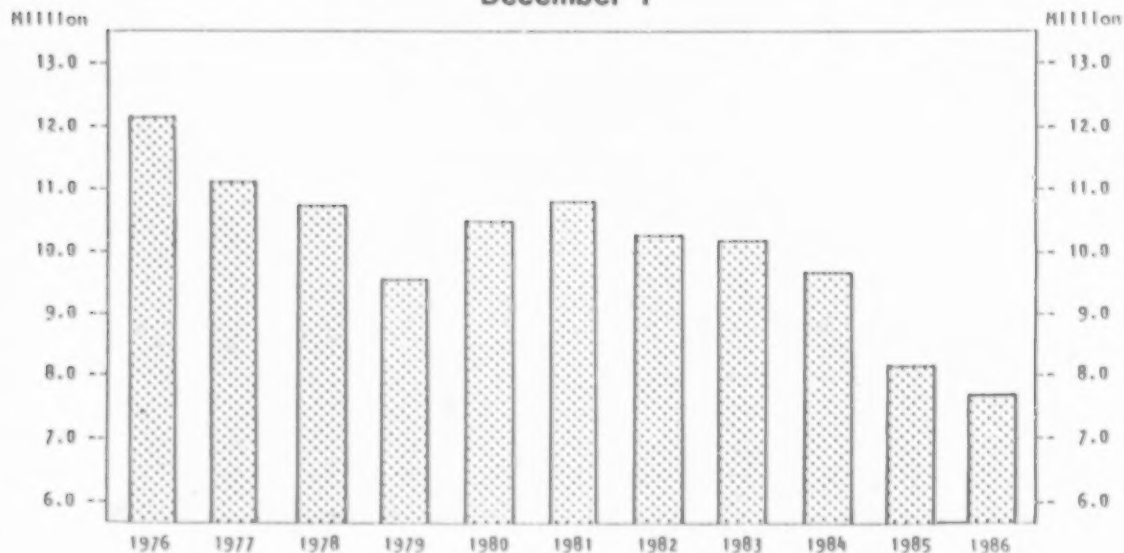
IOWA CHICKENS

Number On Farms December 1, Rate Of Lay And Egg Production

Year	Chickens on farms, December			Average number of layers during year	Annual Rate of lay per hen	Total egg production
	All chickens ¹	Value	Hens and pullets of laying age			
	Thousand head	Thousand dollars	--- Thousand birds ---		Number of eggs	Million eggs
IOWA						
1976	12,080	18,724	9,250	8,637	236	2,040
1981	10,800	18,360	8,300	7,992	240	1,920
1982	10,300	17,510	8,200	8,213	242	1,985
1983	10,200	19,380	7,600	7,692	238	1,827
1984	9,700	17,945	7,100	7,444	238	1,769
1985	8,100	14,175	6,200	6,546	244	1,600
1986 ³	7,700	14,630	6,000	5,845	247	1,441
U.S.						
1976	378,361	643,720	279,778	274,134	235	64,511
1981	385,338	728,460	293,804	287,774	243	69,825
1982	370,219	702,556	289,637	286,369	243	69,718
1983	364,800	716,700	278,517	276,263	247	68,169
1984 ²	374,008	754,312	285,848	278,022	245	68,230
1985 ²	368,548	700,150	279,769	276,680	247	68,407
1986 ³	368,681	690,165	280,140	276,870	247	68,514

¹Excluding commercial broilers. ²Revised. ³Preliminary.

All Chickens On Farms December 1



Average Number Of Hens And Pullets Of Laying Age On Farms, By Months

Year	Dec. ¹	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Avg.
IOWA													
Thousand birds													
1976	8,815	9,000	8,850	8,650	8,600	8,550	8,400	8,200	8,300	8,500	8,700	9,075	8,637
1981	7,955	7,915	7,850	7,966	7,981	7,913	7,964	7,982	7,975	8,025	8,126	8,251	7,952
1982 ²		8,403			8,250			8,050			8,150		8,213
1983	8,200	8,025	7,825	7,600	7,350	7,350	7,600	7,675	7,638	7,551	7,688	7,800	7,692
1984	7,650	7,520	7,470	7,650	7,600	7,415	7,265	7,201	7,325	7,451	7,475	7,300	7,498
1985	7,180	7,045	6,921	6,628	6,543	6,511	6,361	6,270	6,276	6,341	6,291	6,200	6,547
1986 ^{3,4}	6,151	6,050	5,950	5,900	5,851	5,801	5,681	5,653	5,708	5,711	5,785	5,910	5,846
UNITED STATES													
Million birds													
1976	280	280	279	276	273	270	269	268	270	273	275	278	274
1981	295	294	292	289	285	284	282	283	284	285	289	292	288
1982 ²		292			285			282			286		286
1983	288	285	289	279	275	272	271	270	271	272	274	277	276
1984	278	277	277	278	277	276	276	275	276	279	281	284	278
1985	286	284	280	278	274	271	269	271	273	275	278	280	277
1986 ^{3,4}	234	234	233	232	230	229	227	227	227	229	232	233	231

¹December preceding year. ²Data was only available quarterly in 1982. ³Preliminary. ⁴1986 totals are for 20 states not U.S.

Eggs Per 100 Layers, By Months

Year	Number of eggs											
	Dec. ¹	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.
IOWA												
1976	1,969	1,993	1,885	2,015	1,959	2,040	2,004	2,071	2,031	1,890	1,907	1,878
1981	2,062	2,097	1,898	2,096	1,980	2,035	1,921	1,967	2,019	1,956	2,018	1,976
1982 ²		5,962			6,090			6,164			5,961	
1983	2,037	2,031	1,866	2,118	1,932	2,000	2,013	2,033	1,990	1,894	1,951	1,885
1984 ³	1,987	2,035	1,928	2,039	1,947	1,982	1,927	2,000	1,925	1,906	2,074	2,014
1985	2,131	2,115	1,893	2,082	2,002	2,089	2,059	2,057	1,992	1,956	2,051	2,000
1986 ^{4,5}	2,065	2,050	1,866	2,153	2,068	2,103	2,042	2,087	2,102	2,014	2,057	2,047
UNITED STATES												
1976	1,968	1,970	1,855	2,005	1,954	2,021	1,962	2,016	1,994	1,917	1,971	1,906
1981	2,054	2,049	1,858	2,081	2,018	2,065	1,991	2,051	2,053	1,991	2,049	2,005
1982 ²		5,993			6,156			6,102			6,097	
1983	2,097	2,084	1,899	2,127	2,045	2,096	2,039	2,099	2,084	2,021	2,078	2,008
1984 ³	2,078	2,054	1,925	2,084	2,032	2,079	1,999	2,086	2,088	2,014	2,080	2,022
1985	2,109	2,092	1,887	2,138	2,067	2,112	2,034	2,090	2,087	2,018	2,069	2,020
1986 ^{4,5}	2,106	2,097	1,900	2,126	2,049	2,114	2,059	2,095	2,093	2,028	2,091	2,051

¹December preceding year. ²Data was only available quarterly in 1982. ³Revised December 1984. ⁴Preliminary. ⁵1986 totals are for 20 states not U.S.

Iowa Chickens: Production And Income

Year	Sold	Price per pound	Cash receipts
	Thousand pounds	Cents	Thousand dollars
1976	25,200	9.3	2,344
1982	26,425	8.8	2,325
1983	28,000	10.4	2,912
1984	27,650	12.6	3,484
1985	17,500	11.6	2,030
1986 ¹	15,750	11.9	1,874

¹Preliminary.

Iowa Broilers: Commercial Production And Income

Year	Number produced	Weight per bird	Total lbs. produced	Price per pound	Gross income
	Thousand	Pounds	Thousand pounds	Cents	Thousand dollars
1976	3,835	7.5	28,763	40.0	11,505
1982	3,300	6.0	19,800	36.0	7,128
1983	2,600	7.5	19,500	36.0	7,020
1984	2,100	8.0	16,800	36.0	6,048
1985 ¹	2,000	8.5	17,000	32.0	5,440
1986 ²	2,700	8.5	22,950	33.0	7,574

¹Revised. ²Preliminary.

IOWA EGGS Production And Income

Year	Eggs produced	Price per dozen	Gross income
	Million eggs	Cents	Thousand dollars
1976	2,040	46.3	78,711
1982	1,985	46.6	77,084
1983	1,827	48.0	73,080
1984	1,769	61.0	89,924
1985	1,600	44.4	59,200
1986 ¹	1,441	48.8	58,601

¹Preliminary.

Number Produced, By Month

Year	Dec. ¹	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Total
	Million eggs												
1976	174	179	167	174	168	174	168	170	169	161	166	170	2,040
1982 ²		501			502			496			486		1,985
1983	167	163	146	161	142	147	153	156	152	143	150	147	1,826
1984	152	153	144	156	148	147	140	144	141	142	155	147	1,769
1985	153	149	131	138	131	136	131	129	125	124	129	124	1,600
1986 ³	127	124	111	127	121	122	116	118	120	115	119	121	1,441

¹Previous year. ²In 1982, egg production was tabulated quarterly instead of monthly. ³Preliminary.

Iowa Hens And Pullets Of Laying Age On Farms December 1

County and district	Layers		County and district	Layers	
	1985 ¹	1986 ²		1985 ¹	1986 ²
Buena Vista	112,000	92,000	Marshall	22,000	18,000
Cherokee	5,000	3,000	Polk	4,000	3,000
Clay	75,000	49,000	Poweshiek	30,000	20,000
Dickinson	247,000	286,000	Story	71,000	72,000
Emmet	26,000	17,000	Tama	49,000	32,000
Lyon	23,000	15,000	Webster	667,000	736,000
O'Brien	50,000	95,000	<u>C District</u>	<u>1,333,000</u>	<u>1,420,000</u>
Osceola	47,000	31,000	Benton	17,000	12,000
Palo Alto	74,000	49,000	Cedar	17,000	12,000
Plymouth	106,000	69,000	Clinton	29,000	19,000
Pocahontas	100,000	65,000	Iowa	13,000	8,000
Sioux	486,000	316,000	Jackson	38,000	25,000
<u>NW District</u>	<u>1,351,000</u>	<u>1,087,000</u>	Johnson	190,000	274,000
Butler	109,000	144,000	Jones	6,000	5,000
Cerro Gordo	246,000	260,000	Linn	21,000	14,000
Floyd	44,000	41,000	Muscatine	6,000	4,000
Franklin	218,000	220,000	Scott	42,000	28,000
Hancock	123,000	195,000	<u>EC District</u>	<u>379,000</u>	<u>401,000</u>
Humboldt	10,000	6,000	Adair	5,000	3,000
Kossuth	211,000	168,000	Adams	3,000	2,000
Mitchell	134,000	119,000	Cass	4,000	3,000
Winnebago	20,000	13,000	Fremont	1,000	1,000
Worth	10,000	7,000	Mills	2,000	1,000
Wright	16,000	11,000	Montgomery	3,000	2,000
<u>NC District</u>	<u>1,141,000</u>	<u>1,184,000</u>	Page	4,000	3,000
Allamakee	16,000	11,000	Pottawattamie	23,000	27,000
Black Hawk	39,000	26,000	Taylor	19,000	13,000
Bremer	52,000	34,000	<u>SW District</u>	<u>64,000</u>	<u>55,000</u>
Buchanan	53,000	35,000	Appanoose	2,000	1,000
Chickasaw	73,000	48,000	Clarke	2,000	1,000
Clayton	94,000	62,000	Decatur	2,000	1,000
Delaware	61,000	40,000	Lucas	27,000	32,000
Dubuque	24,000	16,000	Madison	22,000	17,000
Fayette	120,000	198,000	Marion	52,000	48,000
Howard	39,000	45,000	Monroe	8,000	5,000
Winneshiek	145,000	144,000	Ringgold	6,000	4,000
<u>NE District</u>	<u>716,000</u>	<u>659,000</u>	Union	1,000	1,000
Audubon	30,000	20,000	Warren	43,000	28,000
Calhoun	41,000	27,000	Wayne	5,000	3,000
Carroll	7,000	7,000	<u>SC District</u>	<u>170,000</u>	<u>141,000</u>
Crawford	47,000	31,000	Davis	257,000	348,000
Greene	3,000	2,000	Des Moines	17,000	14,000
Guthrie	47,000	31,000	Henry	27,000	18,000
Harrison	6,000	4,000	Jefferson	3,000	2,000
Ida	7,000	5,000	Keokuk	155,000	101,000
Monona	5,000	3,000	Lee	4,000	3,000
Sac	98,000	139,000	Louisa	2,000	1,000
Shelby	25,000	17,000	Mahaska	92,000	109,000
Woodbury	4,000	3,000	Van Buren	4,000	3,000
<u>WC District</u>	<u>320,000</u>	<u>289,000</u>	Wapello	65,000	73,000
Boone	183,000	181,000	Washington	100,000	92,000
Dallas	72,000	81,000	<u>SE District</u>	<u>726,000</u>	<u>764,000</u>
Grundy	30,000	26,000	State	6,200,000	6,000,000
Hamilton	61,000	64,000			
Hardin	97,000	115,000			
Jasper	47,000	72,000			

¹Revised. ²Preliminary.

Iowa Egg-Type Chicks Hatched

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Thousand birds													
1976	1,540	1,670	2,160	2,550	2,420	2,260	1,820	1,305	1,695	1,680	1,705	1,665	22,470
1980	1,106	1,339	1,488	1,824	2,040	1,841	1,297	1,261	1,400	1,438	1,381	1,581	17,996
1981	1,657	1,727	2,143	2,556	2,502	2,373	2,245	1,913	1,931	1,862	1,808	1,736	24,453
1982	1,713	1,644	2,029	2,096	2,357	2,095	1,676	2,014	2,105	1,411	1,415	1,761	22,316
1983	1,759	1,506	1,941	2,023	1,840	2,132	1,171	1,304	1,294	1,299	1,300	1,675	19,244
1984	2,096	1,551	1,912	2,089	2,175	2,218	1,758	1,174	1,506	815	1,397	1,137	19,828
1985	1,206	1,209	1,207	2,253	2,140	1,766	1,369	1,338	1,409	1,260	1,529	1,428	18,114
1986 ¹	1,153	1,457	1,524	1,971	2,118	1,829	1,433	1,073	1,860	1,524	1,231	1,359	18,532

¹Preliminary.

U.S. Broiler-Type Chicks Hatched

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Million birds													
1976	279	268	309	311	321	309	304	296	272	268	268	283	3,488
1980	362	348	383	374	384	370	362	334	330	344	331	359	4,280
1981	370	344	399	390	403	383	374	365	350	342	332	365	4,417
1982	373	336	391	386	403	385	382	378	348	345	346	373	4,446
1983	382	348	400	389	395	382	378	372	344	345	336	375	4,447
1984	370	357	398	395	409	397	393	394	362	367	357	395	4,594
1985	402	365	419	412	424	411	408	406	380	383	379	415	4,802
1986 ¹	409	376	433	424	439	429	430	416	402	416	403	437	5,013

¹Preliminary.

Turkeys: Poults Hatched, By Months And Region, 1986, And U.S., 1985-86

Month	United States			North Atlantic	East North Central	West North Central	South Atlantic	South Central	West
	1985	1986	1986 as percent of 1985						
	1986								
----- Thousand -----			----- Thousand -----						
Jan.	15,500	17,204	111	289	2,050	4,741	5,391	2,252	2,481
Feb.	16,134	18,608	115	287	1,998	6,187	4,998	2,373	2,765
Mar.	18,494	20,761	112	392	2,185	7,303	5,341	2,483	3,057
Apr.	20,923	23,065	110	624	2,218	8,221	5,806	2,542	3,654
May	21,926	24,337	111	666	2,435	8,547	5,975	2,772	3,942
June	20,249	23,394	116	616	2,333	7,968	5,835	2,533	4,109
July	19,736	22,310	113	456	2,311	7,457	5,911	2,382	3,793
Aug.	15,463	16,405	106	276	1,695	4,978	5,300	1,395	2,761
Sep.	10,661	13,620	128	166	1,705	3,804	4,714	886	2,345
Oct.	12,451	14,135	114	176	1,850	4,491	4,547	1,112	1,959
Nov.	12,648	13,836	109	208	1,075	4,097	4,723	1,496	2,237
Dec.	14,448	17,705	123	295	1,386	5,857	5,693	2,017	2,457
Total	198,683	225,380	113	4,451	23,241	73,651	64,234	24,243	35,560

TURKEYS: PRODUCTION AND VALUE, JANUARY 1

Iowa

Year	Number raised during year	Total weight	Price per pound	Value of production
	All breeds			
	Thousand	Thousand lbs.	Cents	Thou. dollars
1977	6,009	126,189	32.9	41,516
1982	6,700	151,420	38.0	57,540
1983	6,710	151,646	37.0	56,109
1984	5,800	132,820	46.0	61,097
1985 ¹	6,300	129,797	46.0	67,234
1986 ²	7,000	161,000	45.0	72,450
1987	7,350			

¹Revised. ²Intentions.

United States

Year	Number raised during year ¹	Total weight ²	Price per pound	Value of production
	All breeds			
	Million pounds	Million pounds	Cents	Thou. dollars
1977	136.3	2,562	35.5	910,396
1982	165.4	3,175	39.5	1,254,700
1983	170.7	3,335	38.0	1,269,051
1984	171.3	3,385	48.9	1,655,463
1985	185.3	3,702	49.1	1,818,743
1986 ³	206.7	4,142	47.1	1,951,570
1987 ⁴	222.1			

¹Does not include young turkeys lost. ²Includes home consumption. ³Revised. ⁴Intentions for 20 major states.

Honey Production For Iowa And Other Leading States

State	Number of colonies	Yield per colony	Production	Stocks Dec. 15	Average price per pound	Value of production
	Thousand	Pounds				
	Thousand	Pounds	Thousand pounds		Cents	Thou. dollars
Alabama	41	42	1,722	327	73	1,257
Arizona	77	50	3,850	693	51	1,964
California	520	52	27,040	3,515	55	14,872
Colorado	41	78	3,198	480	57	1,823
Florida	290	75	21,750	2,828	53	11,528
Georgia	115	41	4,715	377	52	2,452
Idaho	100	45	4,500	540	47	2,115
Iowa	40	59	2,360	519	59	1,392
Kansas	47	85	3,995	519	55	2,197
Michigan	80	56	4,480	851	49	2,195
Minnesota	136	78	10,608	636	46	4,880
Montana	110	64	7,040	211	48	3,379
Nebraska	100	76	7,600	532	46	3,496
N. Dakota	290	107	31,030	1,862	44	13,653
New York	92	32	2,944	530	60	1,766
Ohio	59	26	1,534	445	73	1,120
Oregon	59	43	2,537	507	60	1,522
Pennsylvania	50	32	1,600	624	48	768
S. Dakota	201	113	22,713	5,224	47	10,675
Texas	117	62	7,254	798	54	3,917
Washington	75	48	3,600	360	47	1,692
Wisconsin	85	50	4,250	893	53	2,253
Wyoming	40	52	2,080	354	49	1,019
U.S.	3,205	62.5	200,394	27,181	51.3 ¹	103,151

¹Weighted by sales.

Iowa Farms With Livestock And Poultry: Production And Percent¹ Of All Farms

Year	Farms marketing slaughter hogs		Farms with hogs		Farms with sheep and lambs	
	Number	Pct.	Number	Pct.	Number	Pct.
1978	50,000	41	63,000	51	12,000	10
1979	50,000	41	65,000	54	12,000	10
1980	50,000	42	64,000	54	12,500	11
1981	48,000	41	60,000	51	14,000	12
1982	46,000	39	51,000	44	14,000	12
1983	47,000	41	53,000	46	13,000	11
1984	40,000	35	45,000	40	12,500	11
1985	38,000	34	43,000	39	10,500	9
1986 ²	34,000	31	38,000	35	12,000	11

Year	Farms marketing grain fed cattle		Farms with milk cows		Farms with cattle and calves		Farms with hens and pullets of laying age	
	Number	Pct.	Number	Pct.	Number	Pct.	Number	Pct.
1978	33,000	27	17,000	14	80,000	65	13,000	11
1979	32,000	26	15,000	12	75,000	62	11,000	9
1980	30,000	25	14,000	12	71,000	60	10,500	9
1981	26,000	22	14,000	12	71,000	60	10,500	9
1982	24,000	21	13,000	11	70,000	60	10,200	9
1983	23,000	20	12,000	10	68,000	59	10,000	9
1984	19,000	17	11,000	10	66,000	58	9,600	9
1985	15,500	14	10,500	9	64,000	58	9,000	8
1986 ²	11,500	11	10,000	9	63,000	58	- ³	

¹Percent computed on the number of all farms January 1 of the following year. ²1986 preliminary.

³No longer published.

Per Capita Consumption Of Red Meat In The United States (Carcass Weight)

Year	Beef	Veal	Lamb and Mutton	Pork	All Meats	All Poultry
Pounds						
1978	117.8	3.0	1.6	60.3	182.7	56.3
1979	105.5	2.1	1.6	68.7	177.9	60.9
1980	103.3	2.0	1.6	73.5	180.4	61.0
1981	104.3	1.9	1.6	69.9	177.8	52.8
1982	104.4	2.0	1.7	62.8	170.9	64.1
1983	106.5	2.0	1.7	66.2	176.4	65.1
1984	106.2	2.1	1.7	65.6	175.6	67.0
1985 ²	106.9	2.2	1.6	66.0	176.7	70.5
1986	107.9	2.3	1.5	62.3	174.0	72.9
1987 ³	99.9	1.9	1.5	62.1	165.4	- ⁴

¹All poultry is dressed weight. ²Revised. ³Preliminary. ⁴1987 all poultry figure not available.

FARM RECEIPTS and PRICES



Photo Courtesy of Pioneer Hi-Bred

1986 Iowa Farm Receipts And Prices

Index - Prices Received

The Iowa Index of Prices Received for All Farm Products for 1986 averaged 113 (1977=100), a decrease of 3 percent from the average of 116 in 1985. This decrease is due to the continued falling of crop prices during 1986. The high for the year was 120 in July, and the low was 107 in April.

The All-Crop Index averaged 82 (1977=100), 17 percent below the 99 in 1985. The index began the year at 92 in January and finished the year in December at 70. The high for the year was 95 in May, and the low was 64 in October.

The Livestock and Livestock Products Index averaged 133 (1977=100), 5 percent above the 127 in 1985. The high for the year was 149 in August, and the low was 116 in April.

CASH RECEIPTS

Iowa farmers were second in total cash receipts, excluding government payments, in 1986. The state ranked second in livestock and livestock products and third in crop receipts. Iowa farmers sold farm commodities worth \$8.84 billion in 1986, 8 percent less than 1985's \$9.61 billion. Livestock and livestock products contributed 55 percent and crops 45 percent of the total receipts for 1986.

LIVESTOCK AND LIVESTOCK PRODUCT RECEIPTS AND PRICES

Livestock and livestock product receipts at \$4.82 billion was 5 percent above the \$4.59 billion in 1985. Steer and heifer prices averaged \$57.00 per hundredweight in 1986, down slightly from \$57.50 in 1985. The average price ranged from a high of \$60.10 in November to a low of \$53.30 in June.

Barrow and gilt prices averaged \$50.00 per hundredweight, up from \$44.70 in 1985 and the highest annual price since \$52.60 in 1982. Prices ranged from a high of \$63.30 in August to a low of \$39.70 in April.

Lamb prices averaged \$69.80 per hundredweight in 1986, up from \$67.10 in 1985. This is the highest annual lamb price on record. Prices ranged from a high of \$86.00 in May to a low of \$58.00 in October. Wool prices averaged 45 cents per pound in 1986 compared to 42 cents per pound in 1985.

Milk prices for all milk averaged \$12.00 per hundredweight in 1986, down 20 cents from the 12.20 in 1985. Average monthly prices ranged from a low of \$11.30 in June and July to a high of \$13.10 in November.

Market egg average prices ranged from a high of 55.7 cents in March to a low of 31.8 cents in June.

CROP RECEIPTS¹

Iowa farmers received \$4.02 billion from the sale of crops in 1986. This is 20 percent below the \$5.02 billion received in 1985 but does not include any government payments for set-aside acres, deficiency payments, or CCC forfeitures. Government payments in 1986 totaled 1.16 billion dollars, the highest since records were started in 1933.

The preliminary marketing year average price received for corn in 1985-86 was \$2.02 per bushel. The marketing year began with \$2.11 per bushel in October and ended with \$1.26 per bushel in September. During the 1986 calendar year, average monthly prices ranged from a high of \$2.30 per bushel in May to a low of \$1.24 in October.

The preliminary marketing year average price for soybeans in 1985-86 was \$4.99. The marketing year began with \$4.90 per bushel in September and ended with \$4.87 per bushel in August. The average monthly prices for the 1986 calendar year ranged from a high of \$5.16 per bushel in May to a low of \$4.42 per bushel in October.

The preliminary marketing year average price for oats in 1985-86 was \$1.27 per bushel. The marketing year began with \$1.33 in July and ended with \$1.13 in June. Average monthly prices for the 1986 calendar year ranged from a high of \$1.46 per bushel in December to a low of 92 cents per bushel in August.

All hay prices for 1986 averaged \$43.00 per ton. Prices ranged from a high of \$53.00 per ton in January to a low of \$34.00 per ton in August.

CROP VALUES²

Value of Iowa 1986 farm crops, including fruits, nuts, and commercial vegetables, totaled \$4.29 billion, 28 percent below the 1985 value of \$5.95 billion.

Corn, soybeans, and hay accounted for 98.8 percent of Iowa's crop value. Corn accounted for 53.1 percent, soybeans for 38.1 percent, and hay 7.6 percent of the total crop value.

FIXED RATIOS

The 1986 beef-corn ratio averaged 31.2; the high was 45.3 in October and the low was 22.6 in May. This is the highest annual average on record; the lowest was 7.6 in 1917.

The average hog-corn ratio was 29.8; the high was 47.0 in September, and the low was 17.9 in April. This is also the highest annual average on record; the lowest was 8.1 in 1934.

¹Crop receipts is the amount of payment received from the quantity of crops sold based on monthly sales.

²Value of production is the total production of a crop multiplied by the market year average price.

Iowa Cash Farm Income, By Commodities

Commodity	Cash farm income ¹			Sources of cash farm income		
	1977	1984	1985	1977	1984	1985
	1,000 dollars			Percent		
Crops						
Corn	1,165,412	1,739,750	2,660,274	16.9	19.5	28.9
Soybeans	1,337,318	2,018,386	1,581,109	19.4	22.6	17.2
Oats	31,942	31,280	23,381	.5	.3	.2
Hay	37,677	64,947	44,281	.5	.7	.5
Wheat	9,831	9,742	13,603			
Potatoes	1,801	1,126	1,126			
Sorghum grain	1,796	564	586			
Vegetable crops	6,788	6,881	6,964	.9	.8	.9
Fruits and nuts	1,535	1,255	2,059			
Other crops	5,192	7,406	8,336			
Nursery, greenhouse, and forest	33,049	43,069	47,953			
Crop total	2,632,341	3,924,406	4,389,672	38.2	43.9	47.7
Livestock and livestock products						
Hogs	1,965,183	2,580,883	2,402,355	28.5	28.8	26.2
Cattle and calves	1,794,565	1,757,178	1,748,500	26.0	19.7	19.0
Sheep and lambs	16,741	22,483	24,304	.3	.3	.3
Wool	2,163	1,761	1,196			
Dairy products	353,484	473,041	480,680	5.1	5.3	5.2
Turkeys	41,516	61,097	67,234	.6	.7	.7
Eggs	57,235	89,060	59,200	1.0	1.0	.6
Farm chickens	2,429	3,484	2,030			
Other poultry	10,333	6,048	5,440	.2	.1	.1
Other livestock	8,167	19,581	20,208	.1	.2	.2
Livestock total	4,261,816	5,014,616	4,811,147	61.8	56.1	52.3
Crops and livestock	6,894,157	8,939,022	9,200,819	100.0	100.0	100.0
Governments payments ²	28,901	742,763	691,136			
Grand total	6,923,058	9,681,785	9,891,955			

¹CASH INCOME relates to the value of quantities of each products sold off the farm. These data show the direct income from crops sold. Income from crops fed to livestock is included as part of livestock income. ²Includes agricultural conservation, price adjustment payments to farmers, and agricultural production and practice payments.

Cash Receipts From Marketings, State Rankings, 1985-1986

Source of cash receipts ¹	Rank									
	1	2	3	4	5	6	7	8	9	10
	1985									
Crops	Cal.	Ill.	<u>Iowa</u>	Texas	Fla.	Minn.	Neb.	Ind.	Kans.	Ohio
Livestock and livestock products	Texas	<u>Iowa</u>	Cal.	Neb.	Wis.	Minn.	Kans.	Pa.	Ill.	Colo.
Total	Cal.	Texas	<u>Iowa</u>	Ill.	Neb.	Minn.	Kans.	Wis.	Fla.	Ind.
	1986 ²									
Crops	Cal.	Ill.	<u>Iowa</u>	Fla.	Texas	Neb.	Minn.	Ind.	Ohio	Kans.
Livestock and livestock products	Texas	<u>Iowa</u>	Neb.	Wis.	Cal.	Kans.	Minn.	N.C.	Pa.	Ill.
Total	Cal.	<u>Iowa</u>	Texas	Neb.	Ill.	Minn.	Kans.	Wis.	Fla.	Ind.

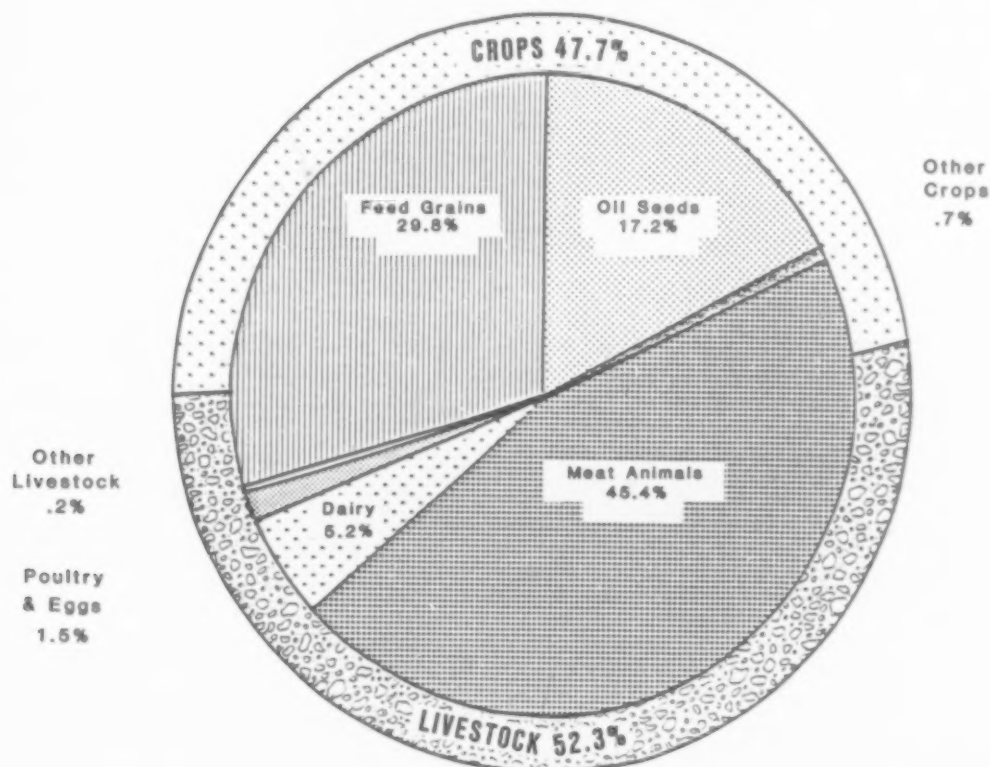
¹Excludes government payments. ²Preliminary.

Iowa: Monthly Cash Receipts From Farm Marketings

Month and annual	Crops				Livestock and products				Total receipts			
	1985		1986 ¹		1985		1986 ¹		1985		1986 ¹	
	Total receipts	Percent of ann. total	Total receipts	Percent of ann. total	Total receipts	Percent of ann. total	Total receipts	Percent of ann. total	Total receipts	Percent of ann. total	Total receipts	Percent of ann. total
	Thou. dollars		Thou. dollars		Thou. dollars		Thou. dollars		Thou. dollars		Thou. dollars	
Jan.	626,786	14.3	941,795	23.4	422,463	8.8	420,880	8.7	1,049,249	11.4	1,362,675	15.3
Feb.	247,552	5.6	307,700	7.7	370,240	7.7	300,061	6.2	617,792	6.7	607,761	6.9
Mar.	297,265	6.8	239,739	6.0	326,700	6.8	276,332	5.8	623,965	6.8	516,071	5.8
Apr.	215,894	4.9	202,824	5.0	423,385	8.8	377,106	7.8	639,279	7.0	579,930	6.6
May	150,116	3.4	145,758	3.6	396,790	8.2	401,694	8.3	546,906	5.9	547,452	6.2
June	210,055	4.8	150,215	3.7	405,914	8.4	424,061	8.8	615,969	6.7	574,276	6.5
July	230,768	5.3	102,979	2.6	388,090	8.1	399,219	8.3	618,858	6.7	502,198	5.7
Aug.	186,886	4.3	71,749	1.8	418,029	8.7	462,791	9.6	604,915	6.6	534,540	6.0
Sep.	140,182	3.2	117,790	2.9	366,436	7.6	397,297	8.2	506,618	5.5	515,087	5.8
Oct.	377,800	8.6	222,510	5.5	387,536	8.1	446,061	9.2	765,336	8.3	668,571	7.6
Nov.	704,417	16.0	628,987	15.7	472,837	9.8	509,655	10.6	1,177,254	12.8	1,138,642	12.9
Dec.	1,001,951	22.8	886,693	22.1	432,727	9.0	409,797	8.5	1,434,678	15.6	1,296,490	14.7
Annual	4,389,672	100.0	4,018,739	100.0	4,811,147	100.0	4,824,954	100.0	9,200,819	100.0	8,843,693	100.0

¹Preliminary.

Source Of Iowa's 1985 Cash Receipts



Iowa Realized Gross Farm Income¹

Calendar year	Cash receipts from farm marketings			Government payments	Non-money income	Other farm income	Realized gross farm inc.	
	Livestock	Crops	Total crops and livestock				Total all farms	Average per farm
	----- Million dollars -----							Dollars
1975	3,891.5	2,633.0	6,524.6	53.1	307.9	65.5	6,951.1	53,470
1976	4,033.4	3,121.4	7,154.7	26.8	382.8	69.3	7,633.6	60,107
1977	4,261.8	2,632.3	6,894.2	28.9	516.2	68.6	7,507.9	60,063
1978	5,449.5	3,104.3	8,553.9	271.0	535.9	74.6	9,435.4	76,711
1979	5,543.5	3,719.0	9,262.5	69.2	557.1	80.9	9,969.7	82,394
1980	5,311.5	4,950.5	10,262.1	44.6	654.9	76.4	11,038.0	92,756
1981	5,678.8	4,941.7	10,620.5	58.2	727.5	84.6	11,490.8	97,380
1982	5,906.6	4,105.8	10,012.4	215.9	693.2	301.7	11,223.2	95,925
1983	5,140.3	4,092.8	9,233.0	925.9	586.7	282.1	11,027.7	95,893
1984	5,014.6	3,924.4	8,939.0	742.8	536.2	192.4	10,410.4	92,127
1985	4,811.1	4,389.7	9,200.8	691.1	385.0	346.3	10,623.2	95,705
1986 ²	4,825.0	4,018.7	8,843.7	1,161.0	NA	NA	NA	NA

¹Years 1975-85 have been revised; individual items may not add to totals due to rounding.

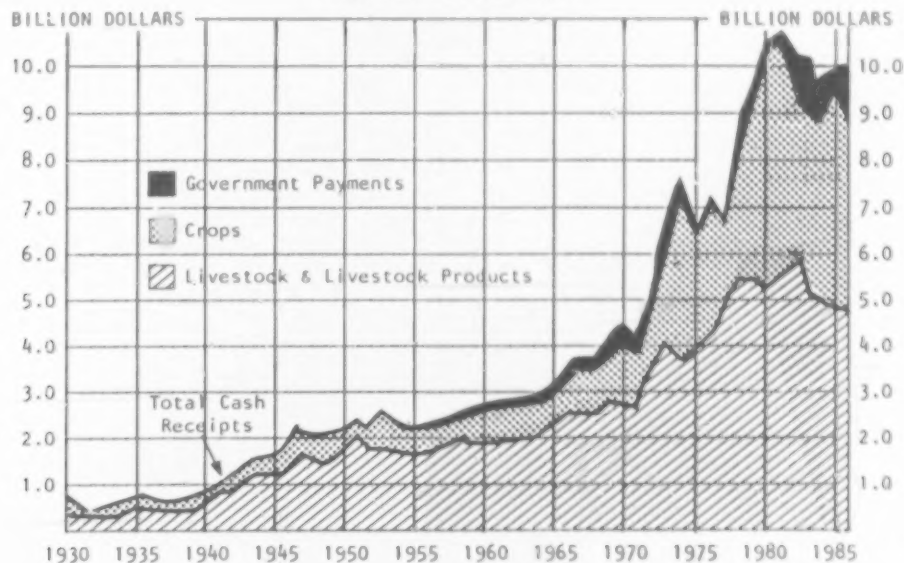
²Preliminary; data not all available at time of publication.

Iowa Realized Net Farm Income¹

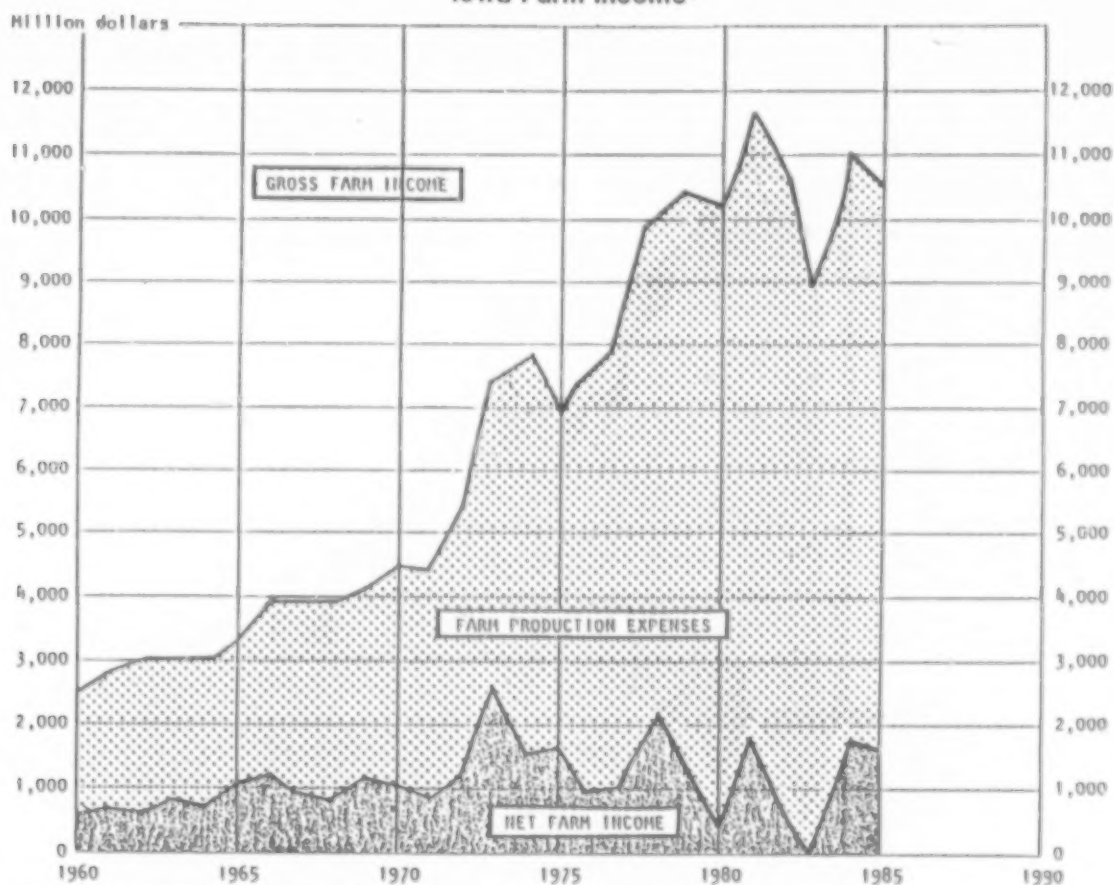
Calendar year	Realized gross farm income	Farm production expenses	Realized net farm income		Net change in farm inventories	Total net farm income	
			Total, all farms	Average per farm		Total, all farms	Average per farm
----- Million dollars -----		Dollars		- Million dollars -		Dollars	
1975	6,951.1	5,805.0	1,146.1	8,816	603.8	1,750.0	13,462
1976	7,633.6	6,544.7	1,088.9	8,574	-173.8	915.1	7,206
1977	7,507.9	6,889.5	618.4	4,947	362.7	981.0	7,848
1978	9,435.4	7,824.3	1,611.1	13,098	414.1	2,025.1	16,464
1979	9,969.7	9,212.7	757.0	6,256	614.2	1,371.1	11,331
1980	11,038.0	9,971.1	1,066.9	8,966	-646.1	420.8	3,536
1981	11,490.8	9,908.9	1,581.9	13,406	259.6	1,841.5	15,606
1982	11,223.2	9,917.3	1,305.9	11,162	-381.3	924.6	7,903
1983	11,027.7	9,235.3	1,792.4	15,586	-2,043.2	-250.7	-2,180
1984	10,410.4	9,330.0	1,080.4	9,561	654.2	1,734.6	15,350
1985 ²	10,623.2	8,858.4	1,764.8	15,899	-66.4	1,698.5	15,302

¹Years 1975-85 have been revised; individual items may not add to totals due to rounding. ²Prelim.

Iowa Cash Receipts



Iowa Farm Income¹



¹Net income and Gross income include changes in farm inventories.

Iowa Farm Production Expenses¹

Item	1980	1981	1982	1983	1984	1985 ²
Million dollars						
Feed	1,161.4	1,207.7	1,214.8	1,323.0	1,162.0	1,141.5
Livestock	1,251.4	781.5	748.4	539.2	519.5	453.4
Seed	301.6	329.7	313.1	294.8	340.3	332.5
Fertilizer and lime	725.2	715.3	577.8	428.9	537.1	538.6
Repairs and operation of capital items	488.4	472.8	461.8	443.0	444.3	414.9
Hired labor	244.0	231.2	258.9	248.7	248.4	252.8
Miscellaneous	2,306.0	2,581.3	2,597.2	2,522.8	2,543.8	2,344.2
Total operating expenses	6,478.0	6,319.5	6,172.0	5,800.4	5,795.4	5,477.9
Depreciation and other consumption of farm capital	1,608.8	1,744.8	1,700.9	1,573.1	1,482.3	1,334.1
Taxes on farm property	323.9	345.0	352.9	290.9	279.3	277.8
Interest on farm mortgage debt	581.8	733.1	833.3	835.3	816.6	730.1
Net rent to non-oper. landlords	978.6	766.5	858.2	735.6	956.4	1,038.5
Total production expenses	9,971.1	9,908.9	9,917.3	9,235.3	9,330.0	8,858.4

¹Years 1980-84 revised; details may not add to totals because of rounding. ²Preliminary.

1985 Iowa Production Costs Per Planted Acre

ITEM	CORN	OATS	SOYBEANS
	DOLLARS		
Cash Receipts:			
Primary Crop	270.26	40.43	181.67
Secondary Crop	---	40.00	---
Total	270.26	80.43	181.67

Cash Expenses:			
Seed	18.96	10.25	10.73
Fertilizer	49.39	7.91	3.70
Lime and Gypsum	.97	.97	.73
Chemicals	19.45	.15	16.62
Custom Operations	5.47	7.70	4.22
Fuel, Lube, and Electricity	9.67	8.37	6.30
Repairs	10.51	7.67	5.80
Hired Labor	1.65	1.60	1.56
Drying	5.98	---	---
Miscellaneous	.15	1.83	.12
Total, Variable Expenses	122.20	46.45	49.78
General Farm Overhead	14.24	4.62	13.92
Taxes and Insurance	17.18	15.88	14.81
Interest	46.61	15.13	45.58
Total, Fixed Expenses	78.03	35.62	74.30
Total, Cash Expenses	200.23	82.08	124.08
Receipts Less Cash Expenses	70.03	-1.65	57.59
Capital Replacement	34.75	23.71	26.94
Receipts Less Cash Expenses and Replacement	35.28	-25.36	30.65

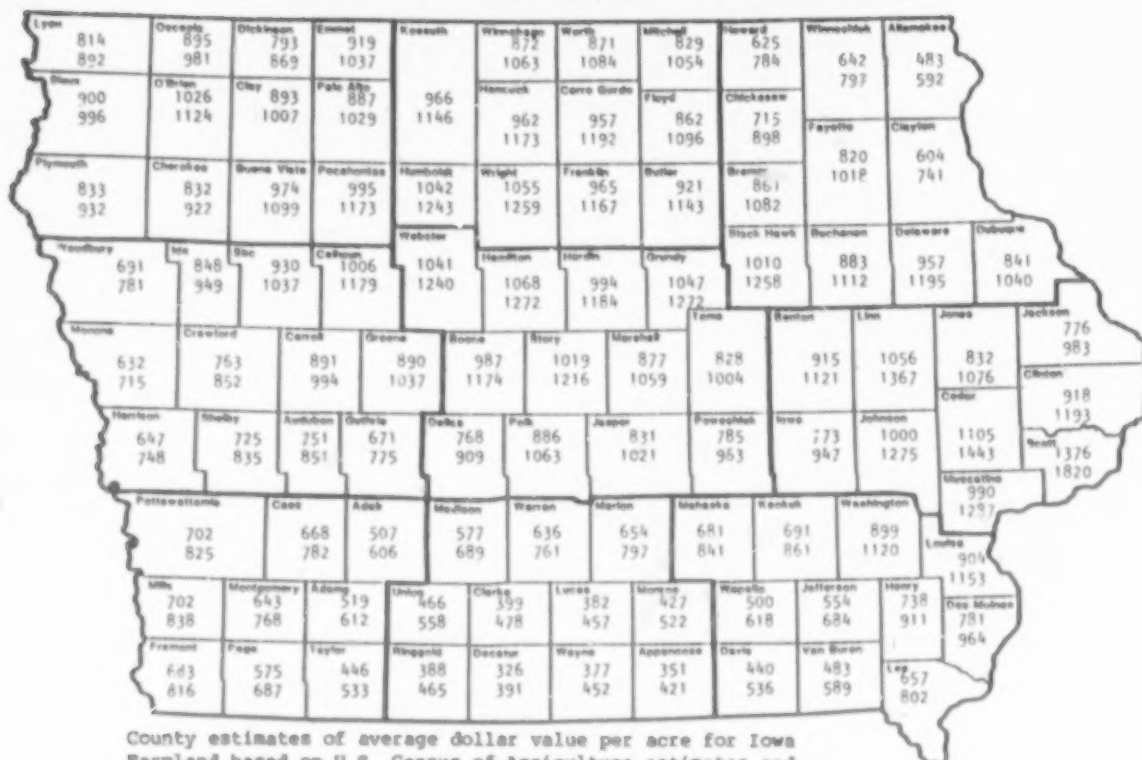
Economic (Full Ownership) Costs:			
Variable Expenses	122.20	46.45	49.78
General Farm Overhead	14.24	4.62	13.92
Taxes and Insurance	17.18	15.88	14.81
Capital Replacement	34.75	23.71	26.94
Allocated Returns to Owned Inputs:			
Return to Operating Capital	4.01	.71	1.61
Return to Other Nonland Capital	13.39	10.77	8.72
Net Land Rent	92.33	43.60	73.91
Unpaid Labor	13.34	16.16	10.41
Total, Economic Costs	311.44	161.90	200.10
Residual Returns to Management and Risk	-41.18	-81.47	-18.43
Total, Returns to Owned Inputs	81.89	-10.23	76.23

Harvest-Period Price (Dollars/Bu.)	2.16	1.12	4.81
Yield (Bu./Planted Acre)	125.12	36.10	37.77

All Costs and Returns are Preliminary as of 08/01/86.

Source: State-Level Costs of Production, 1985; Economic Research Service, USDA.

Iowa Farmland Value, By County, 1985 And 1986



County estimates of average dollar value per acre for Iowa Farmland based on U.S. Census of Agriculture estimates and a Nov. 1, 1986, survey of Iowa real estate brokers. The top figure is the estimated Nov. 1, 1986, value; the bottom figure is the estimated Nov. 1, 1985, value.

State Average Value per Acre: \$787 - 1986 \$948 - 1985

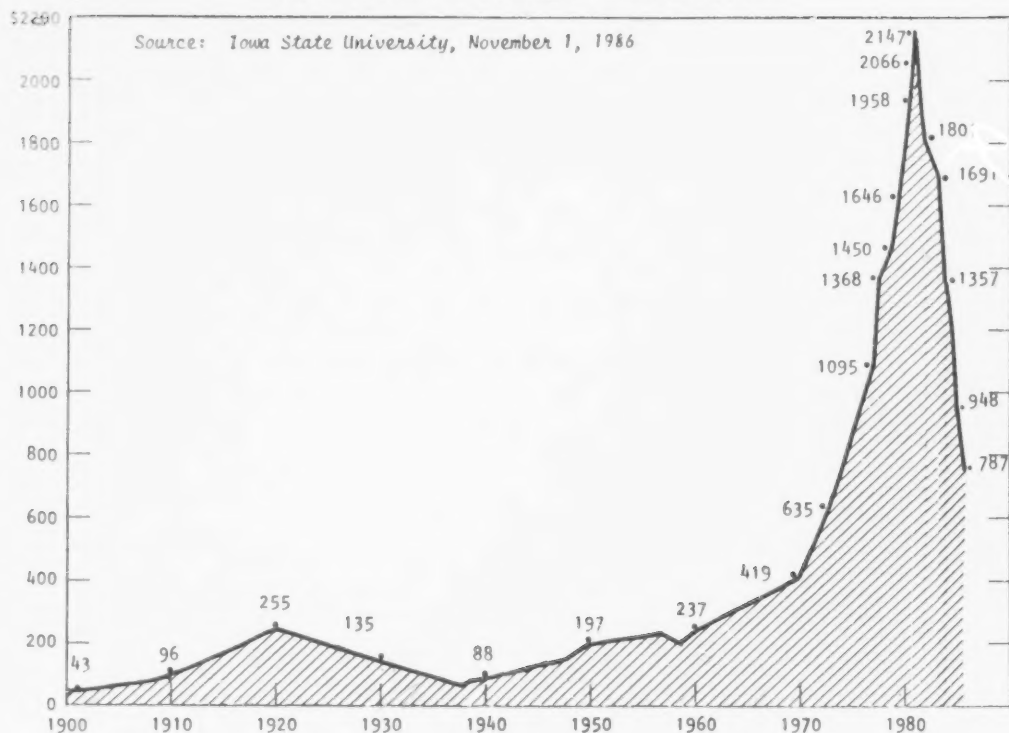
Source: Cooperative Extension Service, Iowa State University

Estimated Iowa Farmland Cash Rent Per Acre¹

Year	Whole farm	Ratio of rent to value ²	Cropland	Ratio of rent to value ²	Pasture land	Ratio of rent to value ²
	Dollars	Percent	Dollars	Percent	Dollars	Percent
1978	82.00	5.3	92.00	5.4	30.101	4.6
1979	89.00	5.0	98.50	5.1	35.00	4.6
1980	96.00	4.7	107.10	4.7	36.20	4.3
1981	101.80	4.7	113.60	4.8	39.40	4.4
1982	106.10	5.0	118.80	5.2	44.10	4.5
1983	105.60	5.7	117.10	6.0	42.20	4.7
1984	109.17	6.6	117.30	6.8	40.95	6.0
1985	98.40	8.5	102.65	8.4	35.95	7.6
1986	82.98	9.0	87.61	9.3	29.19	7.7
1987	75.70	9.3	80.29	9.8	28.08	8.5

¹Estimates are based on surveys by Economic Research Service. ²Ratio calculated using USDA Land Values.

Iowa Farmland: Average Value Per Acre



Iowa Farm Real Estate: Amount Outstanding January 1¹

Year	Federal Land Bank ²	Farmers Home Administration ³	Life ins. companies	All banks	Individuals and others ⁴	Total farm real estate debt
Million dollars						
1977	1,020	156	492	284	2,108	4,059
1978	1,254	166	628	330	2,432	4,810
1979	1,522	175	747	356	2,748	5,549
1980	1,845	304	846	358	3,305	6,658
1981	2,378	345	948	339	3,577	7,587
1982	2,919	397	988	321	3,766	8,392
1983	3,228	413	1,023	343	3,793	8,800
1984	3,296	440	986	410	3,831	8,964
1985 ⁵	3,261	483	949	512	3,544	8,749
1986	2,759	507	932	713	3,224	8,135
Percents of total						
1977	25.1	3.8	12.1	7.0	52.0	100.0
1978	26.1	3.5	13.1	6.9	50.4	100.0
1979	27.4	3.2	13.5	6.4	49.5	100.0
1980	27.7	4.6	12.7	5.4	49.6	100.0
1981	31.3	4.5	12.5	4.5	47.2	100.0
1982	34.8	4.7	11.8	3.8	44.9	100.0
1983	36.7	4.7	11.6	3.9	43.1	100.0
1984	36.8	4.9	11.0	4.6	42.7	100.0
1985 ⁵	37.3	5.5	10.8	5.9	40.5	100.0
1986	33.9	6.2	11.5	8.8	39.6	100.0

¹1986 preliminary and rounded to millions of dollars; data include regular mortgages, purchase-money mortgages, and sales contracts. ²Includes loans of joint stock land banks and Federal Farm Mortgage corporation. ³Includes both direct and insured loans. ⁴Estimates. ⁵Revised.

Crops: Prices Received By Iowa Farmers

Year and month	Corn	Oats	Soybeans	Wheat	Rye	Sorghum	All hay
Season Average ¹	Bushels						Tons
1955	\$1.44	\$.58	\$2.24	\$2.04	\$.96	\$1.00	\$16.20
1960	.97	.60	2.13	1.77	.98	.82	14.50
1965	1.13	.65	2.61	1.35	.95	.92	21.80
1970	1.25	.64	2.82	1.25	.90	1.04	20.00
1975	2.50	1.44	5.09	3.46	2.25	2.21	49.00
1976	2.05	1.56	7.05	2.94	2.65	1.85	61.00
1977	1.99	1.11	5.92	2.11	2.10	1.70	47.00
1978	2.17	1.19	6.64	2.70	2.60	1.79	43.00
1979	2.42	1.41	6.17	3.30	3.10	2.01	45.00
1980	2.97	1.71	7.39	3.85	3.20	2.48	48.50
1981	2.41	1.88	5.88	3.70	3.50	2.23	54.00
1982	2.75	1.59	5.82	3.31	2.60	2.55	53.50
1983	3.11	1.80	7.75	3.40	2.50	2.80	72.00
1984	2.50	1.78	5.55	3.26	2.26	2.30	61.50
1985 ²	2.33	1.30	5.05	2.95	2.30	*	46.50
Market Year Average ³							
1981	2.34	1.88	5.94	3.70	3.50	2.21	54.00
1982	2.69	1.59	5.85	3.30	2.60	2.58	53.50
1983	3.12	1.80	7.78	3.40	2.50	2.80	72.00
1984	2.51	1.78	5.67	3.26	2.26	2.30	61.50
1985	2.02	1.27	4.99	2.95	2.26	*	46.50
1986 ⁴	1.35	1.20	4.55	2.30	1.75	*	40.50
1985**							
January	2.52	1.81	5.73	*	*	*	57.00
February	2.51	1.80	5.60	*	*	*	55.00
March	2.58	1.79	5.76	*	*	*	52.00
April	2.62	1.81	5.75	*	*	*	48.00
May	2.60	1.68	5.61	*	*	*	46.00
June	2.56	<u>1.61</u>	5.54	*	*	*	44.00
July	2.52	1.33	5.34	*	*	*	42.00
August	2.34	1.22	<u>5.02</u>	*	*	*	44.00
September	2.25	1.16	4.90	*	*	*	45.00
October	2.11	1.12	4.81	*	*	*	46.00
November	2.14	1.14	4.84	*	*	*	46.00
December	2.16	1.29	4.95	*	*	*	48.00
1986**							
January	2.20	1.31	5.04	*	*	*	53.00
February	2.19	1.33	5.05	*	*	*	52.00
March	2.20	1.22	5.14	*	*	*	52.00
April	2.21	1.19	5.13	*	*	*	48.00
May	2.30	1.20	5.16	*	*	*	46.00
June	2.21	<u>1.13</u>	5.10	*	*	*	45.00
July	1.90	.95	5.02	*	*	*	36.00
August	1.48	.92	<u>4.87</u>	*	*	*	34.00
September	1.26	.97	4.75	*	*	*	36.00
October	1.24	1.07	4.42	*	*	*	37.00
November	1.40	1.28	4.51	*	*	*	41.00
December	1.42	1.46	4.59	*	*	*	40.00

¹Season average price includes grain forfeited to CCC. ²Revised. ³Market year average price does not include any grain forfeited to CCC. ⁴Preliminary. *Data not available. **For crops, season average prices are computed by weighting mid-month prices by estimated monthly marketings. The months included in the crop season for individual crops are differentiated by short horizontal lines in the section of the table showing monthly prices. For example, the crop marketing season for corn is from October 1 through September 30 of the following year.

Livestock And Livestock Products: Prices Received By Iowa Farmers¹

Year and month	Hogs	Steers and heifers	Beef cattle	Veal calves	Sheep	Lambs	Milk ² cows	All milk whole-sale	Turkeys	All eggs ³	Wool
Season avg.	Cwt.						Head	Cwt.	Lb.	Dozen	Lb.
1920	\$13.00	\$	\$10.30	\$11.90	\$ 7.50	\$11.70	\$ 95	\$ 3.30	\$ *	\$.411	\$.41
1925	10.90	*	8.40	9.20	7.40	13.10	65	2.15	*	.274	.37
1930	8.80	*	9.10	10.10	4.60	8.20	77	2.05	*	.197	.20
1935	8.70	*	7.30	7.10	3.80	7.60	49	1.55	.189	.213	.20
1940	5.30	*	8.90	9.00	3.60	8.40	65	1.65	.159	.144	.30
1945	14.00	*	13.50	13.30	6.50	13.40	115	2.70	.326	.331	.43
1950	17.70	*	25.30	25.90	10.00	25.30	212	3.55	.327	.292	.56
1955	14.40	20.30	18.80	16.80	4.40	18.80	155	3.40	.306	.319	.42
1960	15.30	24.10	22.90	24.00	4.80	18.10	223	3.40	.244	.280	.43
1965	20.60	23.80	22.60	21.50	5.50	22.70	215	3.53	.217	.242	.48
1970	22.60	29.30	28.20	32.90	7.10	27.00	325	5.01	.224	.318	.34
1975	46.20	40.00	36.80	29.30	8.10	43.30	410	8.15	.352	.395	.29
1976	43.00	37.30	35.50	36.10	11.00	46.20	429	9.05	.286	.463	.51
1977	39.60	38.00	37.20	37.80	10.10	52.00	452	9.05	.328	.422	.68
1978	47.00	51.10	50.90	56.50	17.30	60.30	656	10.15	.438	.388	.69
1979	41.60	68.00	65.80	84.60	22.90	65.30	1023	11.60	.410	.440	.74
1980	38.00	67.20	65.30	78.20	27.20	62.80	1170	12.60	.400	.470	.70
1981	43.80	62.40	58.20	63.40	23.90	53.30	1200	13.30	.360	.533	.71
1982	51.90	61.70	57.20	60.40	20.90	52.90	1090	13.20	.380	.426	.44
1983	46.70	61.20	57.00	60.70	15.00	53.50	975	13.20	.370	.448	.38
1984	46.80	63.10	56.80	59.60	15.90	61.90	820	13.10	.460	.574	.54
1985 ⁴	44.20	57.50	54.50	62.20	23.70	67.10	810	12.20	.460	.394	.42
1986 ⁵	49.50	57.00	53.70	61.50	28.30	69.80	785	12.00	.450	.440	.45
⁴ 1985											
Jan.	48.10	62.80	57.20	64.70	25.40	64.30	810	13.50	.500	.309	.50
Feb.	48.70	62.50	58.90	64.00	26.80	64.00	*	13.20	.400	.307	.47
Mar.	43.90	59.30	56.30	65.70	21.40	66.10	*	12.90	.400	.397	.41
Apr.	41.50	58.60	56.10	65.80	19.40	66.00	835	12.50	.400	.339	.40
May	41.30	57.80	56.10	65.60	21.30	68.60	*	12.00	.400	.324	.43
June	44.60	56.90	54.80	62.80	22.00	68.90	*	11.60	.410	.417	.38
July	46.20	52.60	50.60	59.60	24.00	70.40	830	11.50	.410	.355	.44
Aug.	42.90	51.30	49.90	59.50	23.60	69.40	*	11.50	.450	.427	.41
Sep.	39.50	51.10	49.10	57.10	26.20	67.80	*	11.90	.470	.476	.41
Oct.	43.40	57.30	54.10	57.20	23.00	65.10	760	12.40	.530	.482	.42
Nov.	43.10	60.90	56.40	58.20	24.20	64.30	*	12.20	.480	.528	.41
Dec.	45.20	60.00	54.60	58.00	28.00	62.00	*	12.20	.550	.474	.43
⁵ 1986											
Jan.	44.20	58.30	54.00	61.30	32.60	65.30	740	12.00	.360	.475	.42
Feb.	42.80	55.90	51.90	61.10	29.90	69.10	*	11.80	.380	.428	.43
Mar.	40.70	55.20	52.30	61.10	24.10	69.50	*	11.80	.370	.557	.40
Apr.	39.50	53.50	50.70	60.20	24.10	78.90	780	11.60	.380	.374	.43
May	46.10	54.80	51.90	58.80	26.40	86.00	*	11.40	.410	.396	.49
June	52.30	53.30	51.20	58.50	25.90	74.80	*	11.30	.480	.318	.48
July	59.30	56.10	53.80	58.50	27.10	71.20	790	11.30	.490	.420	.44
Aug.	62.50	58.40	55.60	63.70	29.80	67.70	*	11.70	.490	.441	.44
Sep.	59.20	58.60	56.30	65.00	29.90	63.60	*	12.40	.500	.470	.45
Oct.	53.50	58.70	56.20	62.20	29.10	58.90	820	12.90	.520	.402	.46
Nov.	53.20	60.10	56.30	61.30	28.40	67.80	*	13.10	.500	.511	.46
Dec.	51.00	59.40	54.10	63.00	33.40	74.10	*	13.00	.370	.487	.47

¹For livestock and livestock products, prices are calendar year monthly prices weighted by monthly marketings except for milk cow prices, which is a straight average of the monthly prices, and hog, egg, and chicken prices, which are weighted averages of monthly prices for marketing season. Months underlined indicate end of marketing year for that commodity. ²Milk cows estimated by quarters beginning in 1982. ³Market eggs beginning in 1982. *Data not available. ⁴Revised. ⁵Preliminary.

Grain Prices Received, By County, 1984

County and district	Corn	Oats	Soybeans	County and district	Corn	Oats	Soybeans
Dollars per bushel				Dollars per bushel			
Buena Vista	2.45	1.72	5.47	Marshall	2.47	1.89	5.35
Cherokee	2.44	1.70	5.50	Polk	2.45	1.90	5.55
Clay	2.43	1.72	5.47	Poweshiek	2.50	1.85	5.58
Dickinson	2.41	1.67	5.47	Story	2.48	1.87	5.59
Emmet	2.42	1.74	5.47	Tama	2.50	1.85	5.57
Lyon	2.40	1.66	5.48	Webster	2.48	1.90	5.58
O'Brien	2.43	1.67	5.47	<u>C District</u>	<u>2.48</u>	<u>1.87</u>	<u>5.56</u>
Osceola	2.41	1.69	5.47	Benton	2.55	1.87	5.60
Palo Alto	2.44	1.77	5.47	Cedar	2.61	1.76	5.70
Plymouth	2.44	1.66	5.51	Clinton	2.61	1.78	5.71
Pocahontas	2.44	1.72	5.47	Iowa	2.58	1.85	5.58
Sioux	2.43	1.67	5.50	Jackson	2.61	1.84	5.72
<u>NW District</u>	<u>2.43</u>	<u>1.68</u>	<u>5.48</u>	Johnson	2.61	1.89	5.67
Butler	2.48	1.80	5.57	Jones	2.61	1.87	5.70
Cerro Gordo	2.45	1.86	5.55	Linn	2.61	2.01	5.61
Floyd	2.48	1.80	5.56	Muscatine	2.63	1.78	5.72
Franklin	2.47	1.85	5.55	Scott	2.65	1.74	5.72
Hancock	2.44	1.75	5.50	<u>EC District</u>	<u>2.61</u>	<u>1.85</u>	<u>5.66</u>
Humboldt	2.43	1.80	5.52	Adair	2.52	1.75	5.53
Kossuth	2.43	1.83	5.50	Adams	2.48	1.76	5.58
Mitchell	2.47	1.76	5.53	Cass	2.49	1.70	5.53
Winnebago	2.44	1.77	5.53	Fremont	2.51	1.80	5.56
Worth	2.48	1.74	5.55	Mills	2.50	1.79	5.55
Wright	2.48	1.80	5.55	Montgomery	2.49	1.79	5.54
<u>NC District</u>	<u>2.46</u>	<u>1.79</u>	<u>5.53</u>	Page	2.51	1.78	5.55
Allamakee	2.55	1.81	5.56	Pottawattamie	2.57	1.75	5.53
Black Hawk	2.53	1.88	5.56	Taylor	2.51	1.80	5.59
Bremer	2.48	1.81	5.55	<u>SW District</u>	<u>2.52</u>	<u>1.75</u>	<u>5.55</u>
Buchanan	2.53	1.81	5.57	Appanoose	2.50	1.83	5.60
Chickasaw	2.49	1.82	5.57	Clarke	2.48	1.88	5.56
Clayton	2.60	1.73	5.58	Decatur	2.48	1.83	5.62
Delaware	2.55	1.78	5.59	Lucas	2.48	1.86	5.62
Dubuque	2.57	1.77	5.60	Madison	2.48	1.88	5.60
Fayette	2.50	1.78	5.56	Marion	2.46	1.81	5.53
Howard	2.46	1.76	5.51	Monroe	2.49	1.91	5.55
Winneshiek	2.51	1.79	5.56	Ringgold	2.49	1.85	5.62
<u>NE District</u>	<u>2.53</u>	<u>1.78</u>	<u>5.56</u>	Union	2.49	1.85	5.55
Audubon	2.46	1.70	5.53	Warren	2.46	1.90	5.61
Calhoun	2.48	1.80	5.51	Wayne	2.49	1.83	5.62
Carroll	2.45	1.75	5.50	<u>SC District</u>	<u>2.48</u>	<u>1.85</u>	<u>5.59</u>
Crawford	2.46	1.76	5.51	Davis	2.55	1.78	5.60
Greene	2.45	1.77	5.55	Des Moines	2.65	1.80	5.72
Guthrie	2.46	1.70	5.55	Henry	2.60	1.77	5.64
Harrison	2.47	1.74	5.54	Jefferson	2.57	1.77	5.64
Ida	2.43	1.73	5.47	Keokuk	2.55	1.77	5.56
Monona	2.44	1.70	5.54	Lee	2.60	1.91	5.73
Sac	2.42	1.76	5.47	Louisa	2.62	1.73	5.72
Shelby	2.47	1.70	5.51	Mahaska	2.52	1.77	5.59
Woodbury	2.45	1.70	5.53	Van Buren	2.57	1.88	5.63
<u>WC District</u>	<u>2.45</u>	<u>1.73</u>	<u>5.52</u>	Wapello	2.53	1.84	5.58
Boone	2.48	1.84	5.59	Washington	2.58	1.77	5.67
Dallas	2.46	1.85	5.56	<u>SE District</u>	<u>2.58</u>	<u>1.78</u>	<u>5.65</u>
Grundy	2.48	1.93	5.51	State	2.50	1.78	5.55
Hamilton	2.47	1.97	5.55				
Hardin	2.47	1.89	5.53				
Jasper	2.48	1.85	5.57				

Iowa Grain Prices Received, By County, 1985

County and district	Corn	Oats	Soybeans	County and district	Corn	Oats	Soybeans
Dollars				Dollars			
Buena Vista	2.00	1.28	4.96	Marshall	2.05	1.31	5.01
Cherokee	1.95	1.30	4.91	Polk	2.02	1.39	4.99
Clay	1.92	1.30	4.94	Poweshiek	2.05	1.27	4.99
Dickinson	1.94	1.20	4.89	Story	2.03	1.39	5.00
Emmet	1.92	1.30	5.00	Tama	2.05	1.27	5.03
Lyon	1.93	1.20	4.87	Webster	1.98	1.36	5.03
O'Brien	1.94	1.20	4.92	<u>C District</u>	<u>2.02</u>	<u>1.32</u>	<u>5.02</u>
Osceola	1.95	1.28	4.89	Benton	2.11	1.29	5.07
Palo Alto	1.95	1.28	4.97	Cedar	2.15	1.30	5.08
Plymouth	2.00	1.20	4.91	Clinton	2.15	1.28	5.13
Pocahontas	1.96	1.26	4.97	Iowa	2.11	1.35	5.07
Sioux	1.95	1.20	4.89	Jackson	2.16	1.30	5.14
<u>NW District</u>	<u>1.95</u>	<u>1.22</u>	<u>4.93</u>	Johnson	2.12	1.35	5.09
Butler	1.91	1.20	4.98	Jones	2.12	1.31	5.07
Cerro Gordo	1.90	1.33	4.97	Linn	2.11	1.35	5.08
Floyd	1.90	1.20	5.02	Muscatine	2.17	1.36	5.09
Franklin	1.90	1.31	5.02	Scott	2.16	1.29	5.16
Hancock	1.90	1.28	5.01	<u>EC District</u>	<u>2.14</u>	<u>1.31</u>	<u>5.09</u>
Humboldt	1.90	1.29	5.03	Adair	2.05	1.31	5.01
Kossuth	1.90	1.33	4.99	Adams	2.04	1.24	4.90
Mitchell	1.92	1.21	5.01	Cass	2.09	1.24	4.95
Winnebago	1.90	1.27	4.98	Fremont	2.08	1.32	5.01
Worth	1.91	1.24	5.01	Mills	2.06	1.35	5.01
Wright	1.92	1.33	5.03	Montgomery	2.05	1.35	4.91
<u>NC District</u>	<u>1.91</u>	<u>1.26</u>	<u>5.00</u>	Page	2.08	1.32	4.96
Allamakee	2.12	1.23	5.03	Pottawattamie	2.12	1.21	4.94
Black Hawk	2.05	1.35	5.03	Taylor	2.05	1.37	4.91
Bremer	1.96	1.22	5.00	<u>SW District</u>	<u>2.08</u>	<u>1.29</u>	<u>4.96</u>
Buchanan	2.07	1.29	5.05	Appanoose	2.02	1.28	4.95
Chickasaw	1.95	1.27	4.99	Clarke	2.03	1.31	4.98
Clayton	2.10	1.22	5.07	Decatur	1.96	1.28	4.96
Delaware	2.11	1.25	5.01	Lucas	1.99	1.28	4.97
Dubuque	2.10	1.26	5.05	Madison	2.03	1.35	5.03
Payette	2.05	1.23	5.02	Marion	2.02	1.30	5.01
Howard	1.96	1.20	4.97	Monroe	2.01	1.34	4.95
Winneshiek	2.06	1.20	5.02	Ringgold	2.04	1.37	4.96
<u>NE District</u>	<u>2.05</u>	<u>1.24</u>	<u>5.02</u>	Union	2.05	1.32	4.99
Audubon	2.02	1.30	4.98	Warren	2.02	1.38	5.02
Calhoun	2.00	1.30	5.00	Wayne	1.98	1.28	4.95
Carroll	1.99	1.27	4.92	<u>SC District</u>	<u>2.02</u>	<u>1.32</u>	<u>4.98</u>
Crawford	2.04	1.22	4.94	Davis	2.05	1.36	4.98
Greene	2.00	1.30	4.95	Des Moines	2.17	1.45	5.11
Guthrie	2.04	1.34	4.97	Henry	2.09	1.39	5.05
Harrison	2.05	1.25	4.93	Jefferson	2.07	1.33	5.03
Ida	1.98	1.20	4.91	Keokuk	2.07	1.28	5.04
Monona	2.00	1.21	4.94	Lee	2.13	1.45	5.07
Sac	1.99	1.23	4.90	Louisa	2.12	1.45	5.08
Shelby	2.05	1.20	4.91	Mahaska	2.05	1.32	5.01
Woodbury	2.02	1.24	4.96	Van Buren	2.08	1.39	5.03
<u>WC District</u>	<u>2.02</u>	<u>1.25</u>	<u>4.94</u>	Wapello	2.05	1.34	4.98
Boone	2.02	1.39	5.04	Washington	2.12	1.35	5.08
Dallas	2.04	1.33	5.01	<u>SE District</u>	<u>2.10</u>	<u>1.35</u>	<u>5.05</u>
Grundy	1.98	1.39	5.03	State	2.02	1.27	4.99
Hamilton	1.99	1.39	5.04				
Hardin	1.97	1.31	5.03				
Jasper	2.03	1.28	4.99				

Index Of Prices Received By Iowa Farmers (1977=100)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Average
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ALL FARM PRODUCTS

1976	100	102	98	104	105	111	110	103	103	94	90	99	102
1977	100	101	102	105	111	106	102	94	92	93	94	99	100
1978	101	104	110	112	119	118	115	111	115	117	118	117	113
1979	124	128	132	130	129	127	124	120	122	118	117	118	124
1980	120	118	115	110	112	115	127	136	138	137	138	137	125
1981	132	130	129	131	131	135	135	130	125	119	116	111	127
1982	116	119	123	127	134	132	129	128	126	119	118	118	124
1983	122	127	127	129	129	127	125	133	132	127	126	132	128
1984	138	133	137	141	137	137	136	129	124	118	120	123	131
1985	123	123	120	118	117	118	115	110	106	112	113	114	116
1986 ¹	113	110	110	107	113	116	120	119	116	110	113	109	113

ALL CROPS

1976	91	93	92	92	100	112	118	109	113	100	95	104	102
1977	108	109	115	120	124	115	96	79	78	81	87	88	100
1978	89	88	99	100	105	105	99	93	92	92	96	97	96
1979	97	101	104	105	107	112	116	111	108	104	100	100	105
1980	104	100	98	97	99	103	114	123	127	127	133	135	113
1981	133	132	134	135	134	128	129	117	105	102	101	101	121
1982	104	102	103	107	108	107	104	95	91	87	91	93	99
1983	96	102	107	116	118	116	120	135	140	134	135	133	121
1984	135	128	135	138	141	140	130	123	115	108	105	103	125
1985	105	104	106	107	106	104	101	95	92	88	89	90	99
1986 ¹	92	92	92	92	95	92	84	73	67	64	69	70	82

GRAIN AND HAY

1976	119	122	122	121	129	134	139	130	130	114	102	112	123
1977	117	117	116	113	111	105	93	79	80	83	93	95	100
1978	96	98	109	109	113	112	105	96	95	94	98	100	102
1979	100	103	105	109	112	119	127	122	118	114	110	111	112
1980	117	112	113	114	115	120	132	142	145	144	148	156	130
1981	154	155	158	160	160	155	153	139	122	117	116	116	142
1982	120	118	119	126	127	126	121	109	105	100	106	108	115
1983	113	124	132	145	150	147	151	162	160	153	156	155	146
1984	155	151	158	165	165	163	160	152	142	129	124	123	149
1985	127	126	129	131	130	128	125	116	112	105	107	108	120
1986 ¹	110	110	110	110	115	110	94	74	64	63	71	73	92

OIL BEARING CROPS

1976	65	65	64	66	72	91	99	90	98	85	89	96	82
1977	100	102	114	127	136	124	100	80	76	79	81	82	100
1978	83	80	89	92	98	98	93	91	90	91	94	94	91
1979	95	100	103	101	102	105	106	102	98	94	91	90	99
1980	91	88	84	81	83	86	98	105	110	111	118	114	97
1981	113	110	112	112	109	103	105	96	89	87	87	87	101
1982	88	86	87	89	91	89	88	81	77	74	77	79	84
1983	79	82	84	89	88	86	92	109	121	116	116	112	98
1984	115	106	113	113	119	118	103	95	89	88	86	84	102
1985	84	83	85	85	83	82	79	74	72	71	71	73	78
1986 ¹	74	74	76	76	76	75	74	72	70	65	66	68	72

¹ Preliminary.

Index Of Prices Received By Iowa Farmers (1977=100)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Average
ALL LIVESTOCK AND LIVESTOCK PRODUCTS													
1976	106	107	102	111	109	110	106	100	96	90	86	96	101
1977	95	96	94	96	103	100	106	103	101	101	99	106	100
1978	108	115	118	119	128	127	125	123	130	133	133	131	124
1979	141	146	149	147	143	136	130	126	132	127	127	130	136
1980	131	130	126	119	121	122	136	145	145	144	141	138	133
1981	131	129	125	128	129	139	139	139	138	130	125	117	131
1982	123	130	137	141	150	149	146	150	148	140	135	135	140
1983	138	142	139	137	136	134	127	131	127	122	120	131	132
1984	140	135	139	142	134	135	139	133	129	125	130	136	135
1985	134	136	128	124	124	127	123	120	116	127	129	130	127
1986 ¹	126	122	121	116	125	131	143	149	147	140	141	134	133
MEAT ANIMALS													
1976	107	108	102	113	109	112	106	99	95	88	83	93	101
1977	93	95	93	95	104	102	108	104	101	102	98	106	100
1978	109	116	119	121	131	131	127	124	132	134	133	130	126
1979	142	149	152	149	147	139	132	127	134	128	127	130	138
1980	132	132	127	120	123	124	138	147	146	145	141	136	134
1981	130	129	124	128	129	140	140	140	139	130	123	116	131
1982	123	131	137	143	154	153	149	154	151	141	136	137	142
1983	142	146	142	140	137	135	129	132	126	120	115	127	133
1984	135	133	138	139	134	136	140	134	129	125	128	136	134
1985	135	138	129	126	125	128	124	119	114	125	128	128	127
1986 ¹	126	122	120	116	126	133	145	151	148	141	141	125	134
POULTRY AND EGGS													
1976	104	100	97	95	103	94	98	108	110	106	116	127	105
1977	115	114	107	103	90	87	92	95	94	90	104	111	100
1978	97	109	108	101	98	91	107	112	116	116	127	138	110
1979	130	119	131	124	115	113	105	106	104	108	124	132	118
1980	117	108	110	99	89	98	108	123	137	132	147	148	118
1981	129	119	124	128	118	118	125	120	124	115	133	111	122
1982	117	115	124	117	103	105	107	108	118	122	120	103	113
1983	96	100	105	101	117	117	107	119	130	138	156	174	122
1984	191	161	146	178	131	123	125	123	127	120	146	136	142
1985	116	103	116	107	104	119	110	125	135	143	144	145	122
1986 ¹	122	118	136	109	116	114	129	132	137	130	143	124	126
DAIRY PRODUCTS													
1976	106	100	101	98	96	96	98	101	99	100	99	98	99
1977	98	97	97	99	98	97	97	99	102	104	105	106	100
1978	106	107	107	108	106	106	106	109	113	120	124	128	112
1979	128	126	125	124	124	122	122	126	129	133	135	135	128
1980	135	135	135	135	134	132	132	134	141	147	150	151	138
1981	151	148	147	146	145	143	141	142	144	148	148	150	146
1982	150	146	146	144	143	141	141	141	145	148	150	150	145
1983	148	147	146	146	143	141	142	140	144	148	150	147	145
1984	145	142	142	142	140	137	137	139	146	151	153	151	144
1985	148	145	142	137	132	128	126	126	131	136	134	134	135
1986 ¹	132	130	130	128	125	124	124	129	136	142	144	143	132

¹Preliminary.

Index Of Prices Received By U.S. Farmers (1977=100)

Year	All commodities	All crops	All livestock and livestock products	Dairy products	Poultry and eggs	Meat animals
Percent						
1976	102	102	101	100	102	101
1977	100	100	100	100	100	100
1978	115	105	124	109	106	134
1979	132	116	147	124	111	166
1980	134	125	144	135	112	156
1981	139	134	143	142	116	150
1982	133	121	145	140	110	155
1983	135	128	141	140	118	147
1984 ¹	142	138	146	139	135	151
1985 ¹	128	120	136	131	119	142
1986 ²	123	106	138	129	129	145

¹Revised. ²Preliminary.

Index Of Prices Paid By U.S. Farmers, Interest, Taxes, And Wage Rates (1977=100)

Year	Prices paid for items used in		Interest payable per acre	Taxes payable per acre	Wage rates for hired farm labor	All prices paid
	Living ¹	Production				
Percent						
1976	-	97	88	94	93	95
1977	-	100	100	100	100	100
1978	-	108	117	100	107	108
1979	-	125	143	107	117	123
1980	-	138	174	115	126	138
1981	-	148	211	123	137	150
1982 ²	159	153	249	124	144	159
1983 ²	164	152	258	129	148	161
1984 ²	171	155	257	132	151	165
1985 ²	177	151	238	133	153	163
1986 ³	181	146	213	134	159	159

¹Bureau of labor statistics has not converted the price index for urban consumers (CPI-U); 1982-83 was converted by the USDA. ²Revised. ³Preliminary.

Feeder Pigs: Prices Paid By Iowa Farmers

Year	Jan.	Feb.	Apr.	May	July	Aug.	Oct.	Nov.
Dollars per cwt.								
1972	50.00		58.00		58.00		61.00	
1973	59.00		80.50		93.00		80.50	
1974	73.50		67.00		38.30		48.00	
1975	55.00		93.00		97.00		113.00	
1976	97.00		108.00		74.00		54.00	
1977	58.50		93.00		88.50		85.00	
1978	85.00		115.00		105.00		115.00	
1979 ¹		98.00		98.50		60.00		60.00
1980		72.00		56.50		65.00		86.00
1981		74.50		85.00		84.00		75.00
1982		77.00		128.00		123.00		110.00
1983		105.00		82.00		53.00		58.00
1984		79.00		97.00		78.00		80.00
1985		96.00		90.00		73.50		74.00
1986 ²		70.50		89.00		115.00		110.00

¹Beginning with 1979, survey months were changed to February, May, August, and November. ²Preliminary.

Corn And Soybean Acreage, Yield, And Fertilizer Application

Iowa And Selected States, 1986

Item	Iowa		Selected states ¹	
	Corn	Soybeans	Corn	Soybeans
Planted acreage (000)	12,300	8,800	58,900	53,230
Harvested acreage, grain (000)	12,050	8,750	55,490	51,690
Yield per acre (bu.)	135.0	41.5	119.1	30.0
Percent of harv. for grain acreage fertilized	99	10	96	33
Pounds of fertilizer used per acre:				
Nitrogen (lb.)	131	14	132	15
Phosphorous (lb.)	57	51	61	43
Potassium (lb.)	66	62	80	71

¹Corn - 10 states; soybeans - 15 states.

Estimated Crop Production Costs, Iowa

<u>CORN following corn</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
Machinery	\$ 89.50	\$ 87.45	\$ 82.55	\$ 82.55	\$ 77.25
Seed, chemicals, etc.	105.50	117.30	124.80	115.05	105.05
Labor	21.60	21.60	21.60	21.60	21.60
Land	<u>120.00</u>	<u>118.00</u>	<u>115.00</u>	<u>92.00</u>	<u>74.00</u>
Total cost per acre	\$336.60	\$344.35	\$343.95	\$311.20	\$277.90
Assumed yield	115 bu.	115 bu.	115 bu.	110 bu.	110 bu.
Total cost per bu.	\$ 2.93	\$ 2.99	\$ 2.99	\$ 2.83	\$ 2.53
 <u>CORN following soybeans</u>					
Machinery	\$ 82.90	\$ 81.60	\$ 76.80	\$78.05	\$ 72.95
Seed, chemicals, etc.	90.85	102.00	106.90	101.85	93.10
Labor	19.20	19.20	19.20	19.20	19.20
Land	<u>120.00</u>	<u>118.00</u>	<u>115.00</u>	<u>92.00</u>	<u>74.00</u>
Total cost per acre	\$312.95	\$320.80	\$317.90	\$291.10	\$259.25
Assumed yield	115 bu.	115 bu.	115 bu.	120 bu.	120 bu.
Total cost per bu.	\$ 2.72	\$ 2.79	\$ 2.76	\$ 2.43	\$ 2.16
 <u>SOYBEANS following corn</u>					
Machinery	\$ 47.80	\$ 48.90	\$ 48.15	\$ 46.30	\$ 42.85
Seed, chemicals, etc.	64.75	70.30	71.35	70.00	65.15
Labor	19.80	19.80	16.80	16.80	16.80
Land	<u>120.00</u>	<u>118.00</u>	<u>115.00</u>	<u>92.00</u>	<u>74.00</u>
Total cost per acre	\$252.35	\$257.00	\$251.30	\$225.10	\$198.80
Assumed yield	38 bu.	38 bu.	38 bu.	38 bu.	38 bu.
Total cost per bu.	\$ 6.64	\$ 6.76	\$ 6.61	\$ 5.92	\$ 5.23

Source: Cooperative Extension Service, Iowa State University

Corn Belt Cattle Feeding¹

Item	Purchased during ... Marketed during ...	Selected costs at current rates			
		Mar. 1986 Sep. 1986	Jun. 1986 Dec. 1986	Sep. 1986 Mar. 1987 ⁹	Dec. 1986 June 1987 ⁹
Dollars per head					
Expenses:					
600 lb. feeder steer		379.32	351.00	393.00	390.00
Transportation to feedlot (400 miles)		5.28	5.28	5.28	5.28
Corn (45 bu.)		(102.60)	(104.85)	(62.10)	(66.60)
Silage (1.7 tons)		(33.97)	(32.71)	(23.23)	(25.34)
Protein supplement (270 lb.)		(31.05)	(31.86)	(31.86)	(32.94)
Hay (400 lb.)		(10.70)	(9.20)	(8.20)	(9.10)
Total feed costs		178.02	178.62	125.39	133.98
Labor (4 hours)		15.72	15.72	15.72	15.72
Management ²		7.86	7.86	7.86	7.86
Vet medicine ³		5.26	5.21	5.21	5.12
Interest on purchase (6 months)		24.09	21.76	23.19	22.04
Power, equipment, fuel, shelter, depreciation ³		24.55	24.29	24.31	23.87
Death loss (1% of purchase)		3.79	3.51	3.93	3.90
Transportation (100 miles)		2.31	2.31	2.31	2.31
Marketing expenses		3.35	3.35	3.35	3.35
Miscellaneous & indirect costs ³		10.62	10.50	10.51	10.32
Total		660.17	629.41	620.06	632.75
Selling price required to cover:					
Feed costs per 100-lb. gain (450 lb.) \$/cwt.		(39.56)	(39.69)	(27.86)	(29.77)
Feed and feeder costs (1,050 lb.) \$/cwt.		(53.08)	(50.44)	(49.37)	(49.90)
All costs (1,050 lb.) \$/cwt.		62.87	59.94	59.05	59.40
Choice steers, Omaha (900-1100 lb.) \$/cwt.		59.43	59.82	-	-
Net margin \$/cwt.		-3.44	-0.12	-	-
Prices:					
Feeder steer, Choice (600-700 lb) Kansas City \$/cwt.		63.22	58.50	65.50	65.00
Corn \$/bu. ⁴		2.28	2.33	1.38	1.48
Hay \$/ton ⁴		52.00	46.00	41.00	45.50
Corn silage \$/ton ⁵		19.98	19.24	13.67	14.91
32-36% protein supplement \$/cwt. ⁶		11.50	11.80	11.80	12.20
Farm labor \$/hour ²		3.93	3.93	3.93	3.93
Interest rate, annual		12.70	12.40	11.80	11.30
Transportation rate \$/cwt. (100 miles) ⁷		.22	.22	.22	.22
Marketing expenses \$/cwt. ⁸		3.35	3.35	3.35	3.35
Index of prices paid by farmers (1910-14=100)		1,120	1,108	1,109	1,089

¹Represents only what expenses would be if all selected items were paid for during the period indicated. The feed ration and expense items do not necessarily coincide with experience of individuals for management, production level, and locality of operation. Revisions have been made per annual Agricultural Prices. ²Assumes 1 hour at twice the labor rate. ³Adjusted monthly by the index of prices paid by farmers for commodities, services, interest, taxes, and wage rates. ⁴Average price received by farmers in Iowa and Illinois. ⁵Corn silage price derived from an equivalent price of 5 bushels corn and 330 lb. hay. ⁶Average price paid by farmers in Iowa and Illinois. ⁷Converted from cents/mile for a 44,000-pound haul. ⁸Yardage plus commission fees at a Midwest terminal market. ⁹Preliminary.

Corn Belt Hog Feeding

Item	Purchased during ... Marketed during ...	Selected costs at current rates			
		Mar. 1986 Jul. 1986	Jun. 1986 Oct. 1986	Sep. 1986 Jan. 1987 ⁶	Dec. 1986 Apr. 1987 ⁶
Dollars per head					
Expenses:					
40-lb feeder pig		41.33	41.92	59.63	47.69
Corn (11 bu.)		(25.08)	(25.63)	(15.29)	(16.28)
Protein supplement (130 lb.)		(16.90)	(17.03)	(17.16)	(17.16)
Total feed		41.98	42.66	32.45	33.44
Labor & management (1.3 hour) ²		11.13	11.02	10.92	10.61
Vet medicine ³		2.65	2.63	2.63	2.58
Interest on purchase (4 months)		1.75	1.73	2.35	1.80
Power, equipment, fuel, shelter, depreciation ³		6.45	6.38	6.39	6.27
Death loss (4% of purchase)		1.65	1.68	2.39	1.91
Transportation (100 miles)		.48	.48	.48	.48
Marketing expenses		1.14	1.14	1.14	1.14
Miscellaneous and indirect costs ³		.66	.65	.65	.64
Total		109.23	110.30	119.02	106.56
Selling price required to cover:					
Feed cost per 100-lb. gain (180 lb.) \$/cwt.		(23.32)	(23.70)	(18.03)	(18.58)
Feed and feeder costs (220 lb.) \$/cwt.		(37.87)	(38.45)	(41.85)	(36.88)
All costs (220 lb.) \$/cwt.		49.65	50.13	54.10	48.44
Barrows and gilts 7 markets, \$/cwt.		60.99	54.21	47.39	-
Net margin \$/cwt.		11.34	4.08	-6.71	-
Prices:					
40-lb. feeder pig (So. Missouri) \$/head		41.33	41.92	59.63	47.69
Corn (\$/bu.) ⁴		2.28	2.33	1.39	1.48
38-42% protein supplement \$/cwt. ⁵		13.00	13.10	13.20	13.20
Labor and management \$/hour ²		8.56	8.48	8.40	8.16
Interest rate (annual)		12.70	12.40	11.80	11.30
Transportation rate \$/cwt. (100 miles) ⁶		.22	.22	.22	.22
Marketing expenses \$/cwt. ⁷		1.14	1.14	1.14	1.14
Index of prices paid by farmers (1910-14=100)		1,120	1,108	1,109	1,089

¹Although a majority of hog feeding operations in the Corn Belt are from farrow to finish, relative fattening expenses will be similar. Costs represent only what expenses would be if all selected items were paid for during the period indicated. The feed rations and expense items do not necessarily coincide with the experience of individual feeders. For individual use, adjust expenses and prices for management, production level, and locality of operation. Revisions have been made per annual Agricultural Prices. ²Assumes an owner-operator receiving twice the farm labor rate. ³Adjusted monthly by the index of prices paid by farmers for commodities, services, interest, taxes, and wage rates. ⁴Average price received by farmers in Iowa and Illinois. ⁵Average prices paid by farmers in Iowa and Illinois. ⁶Converted from cents/mile for a 44,000-pound haul. ⁷Yardage plus commission fees at a Midwest terminal market. ⁸Preliminary.

Prices Paid By Farmers For Commodities Used In Production

Commodity and unit	Average price		
	1977	1985	1986
	----- Dollars -----		
FARM MACHINERY - U.S.			
Corn planters, with fertilizer attachment, 4-row, each	4,450.00	8,690.00	8,620.00
Corn planters, with fertilizer attachment, 8-row, each	10,000.00	16,400.00	16,800.00
Combine, self-propelled, medium capacity, each	35,500.00	62,550.00	62,900.00
Combine, self-propelled, large capacity, each	45,500.00	86,150.00	82,900.00
Cultivators, row crops, 4-row, each ¹	1,750.00	2,500.00	2,520.00
Cultivators, row crops, 6-row, each ¹	2,310.00	3,220.00	3,260.00
Disk harrows, tandem, 15-17' width, each	4,660.00	7,980.00	7,755.00
Disk harrows, tandem, 18-20' width, each	5,840.00	10,400.00	10,035.00
Moldboard plows, tractor drawn or mounted, one way,			
5 bottoms, each	3,800.00	6,675.00	6,720.00
7 bottoms, each	5,650.00	9,785.00	9,700.00
Chisel plow, tractor drawn or mounted, 16-20 ft.	-	5,885.00	6,080.00
Manure spreaders, P.T.O. 141-190 bu. cap., each	2,650.00	5,220.00	5,310.00
Mowers, drawn or mounted, 7' each	1,250.00	2,480.00	2,540.00
Pick-up balers, P.T.O., each ²	4,600.00	9,200.00	9,490.00
Tractors, wheel, 50-59 h.p., each	9,100.00	16,800.00	16,550.00
Tractors, wheel, 110-129 h.p., each	23,500.00	39,800.00	38,600.00
Tractors, wheel, 170-240 h.p., each	45,500.00	78,400.00	75,850.00
Wagons, farm, w/o box, less tires, 8-10 ton, each	610.00	1,060.00	1,050.00
FARM SUPPLIES AND EQUIPMENT - U.S.			
Nails, 8d common, per lb.	.49	.65	.64
Shovels, aluminum scoop, each	14.70	25.50	25.00
Nail hammers, with handle, each	8.05	13.50	12.60
Pitchforks, 4-tine, each	11.20	21.05	20.10
Rope, polypropylene, per 100 ft.	-	19.10	19.57
Baler twine, per 40 lb. bale	14.50	18.78	18.80
BUILDING MATERIALS - U.S.			
Concrete blocks, 8x8x16, per 100	55.00	92.65	94.70
Cement, Portland, per 94 lbs. (net)	3.65	6.20	6.25
Framing lumber, 2"x4", pine, standard & better, 1000 bd.ft. ...	305.00	346.50	349.75
Insulating sheathing, 1/2", 4'x8' sheet ³	-	5.22	5.39
Plywood, exterior, 1/2" cox, 4'x8' sheet ³	-	9.59	9.65
Rough boards, for farm fences and construction, 1000 bd.ft. ...	370.00	492.00	489.00
Dressed boards, 1" thick, standard & better, 1000 bd.ft.	435.00	646.50	653.00
Roofing, galvanized steel, 28-29 gauge, per 100 sq. ft.	32.10	41.42	41.23
Roofing, shingles, fiberglass, mineral surface,			
220 lb. per sq. ⁴	21.70	26.57	25.33
Paint, house exterior, per gallon	9.90	16.08	16.08
Iron pipe, 1-1/4", galvanized, per ft.	1.30	1.96	1.90
HOUSEHOLD SUPPLIES - IOWA			
Telephone ⁵			
Total telephone bill	21.40	36.50	-
Local telephone bill	8.40	15.00	-
Electricity			
Monthly bill, average per month	52.00	131.14	-
Cost per kilowatt hour	.040	.079	-
LP gas, per gallon-U.S.	.389	.726	.689
FEEDER PIGS - IOWA , per cwt.	81.25	83.40	96.13

*See footnotes on page 106.

Prices Paid By Farmers For Commodities Used In Production (Cont.)

Commodity and unit	Average price		
	1977	1985	1986
----- Dollars -----			
<u>FENCING MATERIALS - U.S.</u>			
Posts, steel, line fence, each	2.30	2.73	2.59
Posts, wood, line fence, each	2.05	3.54	3.44
Wire, barbed, 2 pt., galv., 12-1/2 gauge, per 80 rod spool	27.00	34.63	34.13
Field & stock fence (woven wire), 6" stay spacing, 32" high, per 20 rod spool	56.00	75.15	74.27
<u>FERTILIZERS AND SPRAYING MATERIALS - U.S.</u>			
Ammonium nitrate, per ton	143.00	187.00	168.00
Mixed fertilizer, 18-46-0, per ton	184.00	234.00	215.00
Anhydrous ammonia, per ton ⁷	181.00	244.00	200.00
Superphosphate, 44-46% P O, per ton	148.00	199.00	186.00
Agricultural limestone, per ton ⁸	10.00	16.00	16.00
<u>COMMERCIAL FEEDS - U.S.</u>			
Bran, per cwt.	7.51	9.50	9.24
Middlings and gray shorts, per cwt.	7.37	8.79	8.33
Soybean meal, 44%, per cwt.	12.90	10.34	11.30
Mixed hog feed, 14-18% protein, per cwt. ⁹	8.53	9.44	9.32
Beef cattle concentrate, 32-36% protein & over, per cwt.	9.20	10.51	10.80
Laying feed, per ton ⁹	152.00	182.00	175.00
Dairy feed, 16% protein, per ton ⁹	140.00	168.00	162.00
Chick starter, per ton ⁹	175.00	199.00	187.00
Turkey grower, per ton ⁹	184.00	212.00	214.00
Stock salt, 100 lbs.	3.51	6.50	6.51
<u>SEEDS - U.S.</u>			
Alfalfa, uncertified varieties, per cwt.	155.50	154.00	170.00
Potatoes, per cwt.	5.63	8.06	6.62
Hybrid corn, per 80,000 kernels ¹⁰	40.00	67.30	65.60
Oats, spring, per bu.	3.70	4.18	3.63
Soybeans, per bu.	13.00	11.90	10.80
<u>FUELS - U.S.</u>			
Diesel fuel, per gallon	.449	.967	.757
Gasoline, unleaded, regular, service station, per gallon	.610	1.20	.974
Gasoline, leaded, regular, bulk delivery, per gallon	.569	1.15	.936
<u>MOTOR SUPPLIES AND SERVICES - U.S.</u>			
Motor oil, heavy duty (detergent), per gallon	2.56	4.68	4.69
Grease, per 14-1/2 oz. cartridge	.60	1.13	1.15
Chassis lubrication	2.74	4.51	4.65
Motor tune-up, labor only	15.40	24.60	26.93
Brake relining, material and labor	58.35	101.15	100.57
Tires, auto E78-14, tubeless, each ¹¹	42.95	43.50	42.53
Tires, auto P195-75 R14 (ER78-14), radial, each ¹²	65.95	58.65	56.20
Tires, truck, 10.00-20, 10-ply, each ¹³	87.00	211.00	206.00
Tractor tires, rear, 18.4x38, 6-ply, each ¹⁴	280.00	405.50	406.00
Batteries, CPR 220-310 AMP, each	37.60	48.00	47.17
Batteries, CPR 315-500 AMP, each	46.50	59.80	58.27
Spark plugs, each	1.39	1.77	1.73
Oil filters, cartridge refill, each	3.11	3.91	3.91
Oil filters, spin-on, each	4.01	4.73	4.62
Antifreeze, permanent, per gallon	4.16	4.23	4.08

¹Drawn with transport wheels and hydraulic lift. ²Conventional size bales, under 200 lbs. ³Prior to 1979, priced per 1000 sq. ft. ⁴Prior to 1984, Asphalt, 240 lb. ⁵Includes local charges plus long distance, toll charges, and extension phones. ⁶This survey was discontinued in 1986. ⁷Excludes application. ⁸Spread on fields. ⁹Complete feeds. ¹⁰Prior to 1985, price per bu. ¹¹Prior to 1983 G78-15. ¹²Prior to 1983, 205-15 (GR78-15). ¹³Prior to 1979, 7.50x20. 1979 and 1984, 9.00-20. ¹⁴Prior to 1985, 18.4 x 34.

Farm-Retail Price Spreads, Selected Items, U.S., 1984-87

Commodities	Price spreads									
	Annual			1986						1987
	1984	1985	1986	Jan.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Market baskets:¹										
Retail cost (1967=100)	279.3	282.6	288.7	287.3	292.9	293.1	293.3	293.9	294.0	298.3
Farm value (1967=100)	255.4	237.2	234.1	234.0	247.3	245.9	244.7	244.8	240.9	230.7
Farm-retail spread (1967=100) ..	293.3	309.3	320.8	318.6	319.7	320.8	321.9	322.8	326.5	338.0
Farm value/retail cost (%)	33.9	31.1	30.0	30.6	31.3	31.1	30.9	30.8	30.2	28.6
Meat products:										
Retail cost (1967=100)	268.1	265.5	273.9	270.6	279.8	283.6	283.9	285.4	286.3	288.3
Farm value (1967=100)	241.5	221.8	229.1	227.6	249.0	252.8	240.9	240.6	240.0	223.8
Farm-retail spread (1967=100) ..	299.1	316.6	326.2	321.0	315.8	319.7	334.2	337.8	340.5	363.8
Farm value/retail cost (%)	48.6	45.1	45.1	45.4	48.0	48.1	45.8	45.5	45.2	41.9
Beef, Choice:										
Retail price ² (cts/lb)	239.6	232.6	230.7	236.9	230.2	231.0	231.2	233.8	234.8	236.6
Net carcass value ³ (cts)	147.6	135.2	133.1	138.6	135.6	135.8	137.1	141.7	136.3	134.0
Net farm value ⁴ (cts)	140.0	126.8	124.4	128.4	128.2	129.0	128.9	134.1	128.3	125.7
Farm-retail spread (cts)	99.6	105.8	106.3	108.5	102.0	102.0	102.3	99.7	106.5	110.9
Carcass-ret. spread ⁵ (cts) ..	92.0	97.4	97.6	98.3	94.6	95.2	94.1	92.1	98.5	102.6
Farm-carcass spread ⁶ (cts) ..	7.6	8.4	8.7	10.2	7.4	6.8	8.2	7.6	8.0	8.3
Farm value/retail price (%) ...	58	55	54	54	56	56	56	57	55	53
Pork:										
Retail price ² (cts/lb)	162.0	162.0	178.4	169.0	190.3	194.4	194.9	192.5	191.3	188.1
Wholesale value ¹ (cts)	110.1	101.1	110.9	99.1	131.9	127.3	118.5	118.4	113.5	105.4
Net farm value ⁴ (cts)	77.4	71.4	82.4	72.9	102.0	95.7	86.7	86.1	81.4	75.7
Farm-retail spread (cts)	84.6	90.6	96.0	96.1	88.3	98.7	108.2	106.4	109.9	112.4
Wholesale-ret. spread ⁵ (cts) ...	51.9	60.9	67.5	69.9	58.4	67.1	76.4	74.1	77.8	82.7
Farm-wholesale spread ⁶ (cts) ...	32.7	29.7	28.5	26.2	29.9	31.6	31.8	32.3	32.1	29.7
Farm value/retail price (%) ...	48	44	46	43	54	49	44	45	43	40
Dairy products:										
Retail cost (1967=100)	253.2	258.0	258.4	257.2	258.3	258.5	260.0	261.2	262.2	263.2
Farm value (1967=100)	258.8	248.2	241.5	237.6	239.7	243.9	250.4	251.9	254.4	248.7
Farm-ret. spread (1967=100) ...	248.3	266.5	273.3	274.4	274.6	271.4	268.5	269.3	269.0	276.7
Farm value/retail cost (%)	47.8	45.0	43.7	43.2	43.4	44.1	45.0	45.1	45.4	44.2
Poultry:										
Retail cost (1967=100)	218.5	216.4	232.7	218.2	255.0	249.5	247.8	245.2	241.9	238.3
Farm value (1967=100)	249.9	234.9	255.4	219.7	326.4	282.2	300.4	266.6	228.4	221.7
Farm-ret. spread (1967=100) ...	188.1	198.4	210.9	216.7	185.9	217.8	196.9	224.5	255.0	254.4
Farm value/retail cost (%)	56.3	53.4	54.0	49.5	63.0	55.6	59.6	53.5	46.4	45.8
Eggs:										
Retail cost (1967=100)	209.0	174.3	186.3	194.4	192.9	186.0	186.2	195.8	198.6	193.5
Farm value (1967=100)	230.3	178.9	192.7	208.4	199.0	198.3	179.9	214.3	208.8	184.4
Farm-ret. spread (1967=100) ...	178.2	167.6	177.1	174.3	184.1	168.3	195.3	169.0	183.9	206.5
Farm value/retail cost (%)	65.1	60.7	61.1	63.3	61.0	63.0	57.1	64.7	62.1	56.3
Processed fruits and vegetables:										
Retail cost (1967=100)	306.1	314.1	309.1	312.6	309.2	307.3	306.6	306.9	308.8	314.4
Farm value (1967=100)	343.5	378.5	326.3	341.8	317.5	315.3	332.5	332.1	344.3	352.4
Farm-ret. spread (1967=100) ...	297.8	299.9	305.3	306.1	307.4	305.5	300.9	301.3	300.9	306.0
Farm value/retail cost (%)	20.3	21.8	19.1	19.8	18.6	18.6	19.7	19.6	20.2	20.3

¹Retail costs are based on indexes of retail prices for domestically produced farm foods from the CPI-U published monthly by the Bureau of Labor Statistics. The farm value is the payment to farmers for quantity of farm product equivalent to retail unit, less allowance for byproduct. Farm values are based on prices at first point of sale and may include marketing charges such as grading and packing for some commodities. The farm-retail spread, the difference between the retail price and the farm value, represents charges for assembling, processing, transporting, and distributing these foods. ²Estimated weighted average price of retail cuts from pork and choice yield grade 3 beef carcasses. Retail cut prices from BLS. ³Value of carcass quantity (beef) and wholesale cuts (pork) equivalent to 1 lb. of retail cuts; beef adjusted for value of fat and bone byproducts. ⁴Market value to producer for quantity of live animal equivalent to 1 lb. of retail cuts minus value of byproducts. ⁵Represents charges for retailing and other marketing services such as fabricating, wholesaling, and in-city transportation. ⁶Represents charges made for livestock marketing, processing, and transportation to city where consumed.

Note: Annual historical data on farm-retail price spreads may be found in Food Consumption, Prices and Expenditures, Statistical Bulletin 736, ERS, USDA.

Source: Agricultural Outlook, April 1987.

Iowa Feed Ratios

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Beef Cattle - Corn ¹													
1980	28.0	29.5	28.6	28.3	29.1	26.5	25.1	24.1	23.0	22.6	21.3	19.6	25.5
1981	19.4	19.0	18.2	18.8	18.7	20.1	19.4	21.6	24.7	24.3	24.0	22.3	20.9
1982	22.1	23.3	24.9	24.3	25.4	25.2	24.8	27.4	27.3	27.2	25.8	24.8	25.2
1983	24.5	23.5	22.8	21.4	20.4	20.6	18.9	17.2	16.9	17.3	16.8	17.7	19.8
1984	18.3	19.4	19.5	18.4	17.3	17.8	18.0	17.8	19.1	20.7	21.5	23.2	19.3
1985	22.7	23.5	21.8	21.4	21.6	21.4	20.1	21.3	21.8	25.6	26.4	25.3	22.7
1986 ⁴	24.5	23.7	23.8	22.9	22.6	23.2	28.3	37.6	44.7	45.3	40.2	38.1	31.2
Hog - Corn ²													
1980	15.6	16.5	15.0	12.3	12.2	13.4	15.4	16.1	15.9	16.5	15.4	14.1	14.9
1981	13.3	13.2	12.3	12.1	12.7	15.2	16.0	17.7	20.0	19.3	17.9	17.0	15.6
1982	18.2	20.7	20.6	20.5	22.4	22.7	23.5	27.8	29.1	27.9	25.0	24.8	23.6
1983	24.6	22.6	19.0	16.2	15.2	14.7	14.2	14.3	13.6	13.1	12.0	14.3	16.2
1984	15.8	15.1	14.5	14.5	14.4	14.9	16.1	16.5	16.3	17.2	19.1	20.2	16.2
1985 ³	19.1	19.4	17.0	15.8	15.9	17.4	18.3	18.3	17.6	20.6	20.1	20.9	18.4
1986 ⁴	20.1	19.5	18.5	17.9	20.0	23.7	31.2	42.2	47.0	43.1	38.0	35.9	29.8

¹Bushels of corn equal in value to 100 pounds of beef cattle, live weight. ²Bushels of corn equal in value to 100 pounds of hog, live weight. ³Revised. ⁴Preliminary.

Bushels Of Corn Equal In Value To 100 Pounds Of Beef Cattle And Hogs



Civilian Per Capita Consumption Of Major Food Commodities: Civilian Population¹

Commodity	1981	1982	1983	1984	1985 ²	1985 as % of 1984
	Pounds					
Meats:	145.1	139.3	144.0	143.7	144.4	100
Beef	77.1	77.2	78.6	78.5	79.1	101
Veal	1.6	1.7	1.6	1.8	1.8	100
Lamb and mutton	1.4	1.5	1.5	1.5	1.4	93
Pork	65.0	59.0	62.2	61.8	62.0	100
Fish (edible weight):	12.9	12.3	13.1	13.7	14.5	106
Canned	4.8	4.3	4.8	4.9	5.2	106
Fresh and frozen	7.8	7.7	8.0	8.5	9.0	106
Cured	0.3	0.3	0.3	0.3	0.3	100
Poultry Products:						
Eggs	33.8	33.4	33.1	33.0	32.4	98
Chicken (ready-to-cook)	51.7	53.1	53.8	55.7	57.4	103
Turkey (ready-to-cook)	10.8	10.8	11.3	11.4	11.9	104
Dairy Products:						
Cheese (excluding cottage)	18.4	20.1	20.6	21.6	22.4	104
Canned and bulk whole milk	4.1	4.1	3.9	3.8	3.7	97
Fluid milk and cream (product weight)	245.4	241.9	242.3	243.3	245.1	101
Ice cream (product weight)	17.2	17.5	17.9	18.0	18.0	100
Fats and Oils—Total fat content:	57.3	58.2	59.9	58.7	64.0	109
Butter (actual weight)	4.3	4.9	4.9	4.9	4.9	100
Margarine (actual weight)	11.2	11.1	10.4	10.4	10.7	103
Lard	2.5	2.5	2.1	2.1	1.8	86
Shortening	18.5	18.6	18.5	21.3	22.8	107
Other edible fats and oils	21.8	21.8	23.5	19.8	23.5	119
Fruits:						
Fresh	83.9	83.9	88.0	87.5	88.2	101
Citrus	24.2	23.9	28.2	23.1	21.8	94
Noncitrus	59.7	60.0	59.8	64.4	66.4	103
Processed						
Canned fruit	10.0	9.7	9.3	8.9	8.5	96
Canned juice	19.1	13.7	16.2	NA	NA	-
Frozen (including juices)	12.7	14.1	15.1	13.5	NA	-
Chilled citrus juices	4.1	3.5	4.1	3.7	NA	-
Dried	2.7	2.9	2.9	NA	NA	-
Vegetables:						
Fresh ³	72.4	76.8	75.7	80.7	81.4	101
Canned (excluding potatoes)	32.0	32.6	33.7	32.6	NA	-
Frozen (excluding potatoes)	11.5	10.9	11.1	12.0	NA	-
Fresh potatoes	43.6	48.5	45.9	44.7	49.9	112
Frozen potato products	18.2	18.1	18.8	19.0	NA	-
Sweet potatoes ⁴	5.3	5.7	4.6	5.1	5.6	110
Grains:						
Wheat flour ⁵	115.8	119.4	115.9	117.6	122.5	104
Rice	11.0	11.8	9.8	8.5	9.3	109
Other:						
Coffee	7.7	7.6	7.6	7.5	7.4	99
Cocoa	2.8	3.0	3.1	3.5	3.6	103
Peanuts (shelled)	5.6	6.0	5.9	6.0	6.2	103
Dry edible beans	7.2	6.9	4.8	6.5	NA	-
Melons	18.8	NA	NA	NA	NA	-
Sugar (refined)	79.4	73.7	71.1	67.7	63.4	94
Corn sweeteners ⁶	58.8	63.8	69.4	77.3	87.5	113
Soft drinks (gallons)	38.8	39.5	41.1	44.2	45.6	103
Civilian population (millions)	227.9	230.3	232.6	234.8	237.0	101

¹Quantity in pounds, retail weight unless otherwise shown. Data on calendar year basis except for dried fruits, fresh citrus fruits, peanuts, dry beans, and rice which are on a crop-year basis.

²Preliminary. ³Commercial production for sale as fresh produce. ⁴Table stock and processed.

⁵White, whole wheat, semolina, and durum flour. ⁶Fructose and glucose. NA = not available.

Note: Historical consumption and supply-utilization data for food may be found in Food Consumption, Prices and Expenditures, 1963-83, Statistical Bulletin 713, ERS, USDA.

Source: Agricultural Outlook, December 1986

Farm Labor And Wage Rates, Regional And U.S.¹

Year and Month	Number of Workers		Hours Worked	Hired Workers ²			
	Hired	All Farm Workers		Wage Rates per Type of Work			
				Field	Livestock	Field & Livestock	Composite Hourly Rate
	----- 1,000 -----		Hours	----- Dollars per Hour -----			
<u>REGIONAL³</u>							
<u>1982</u>							
July	78	344	31.6	3.69	3.84	3.73	3.93
<u>1983</u>							
July	71	313	32.3	3.92	3.33	3.67	3.98
<u>1984</u>							
July	74	333	26.4	3.69	3.85	3.74	3.92
October	35	257	35.4	3.89	4.11	4.00	4.21
<u>1985</u>							
April	39	273	39.4	4.04	3.94	3.97	4.08
July	68	281	28.4	4.20	4.13	4.18	4.20
October	40	235	34.8	4.58	3.95	4.31	4.35
<u>1986⁵</u>							
April	40	234	34.0	3.90	3.85	3.88	4.15
July	70	271	31.5	4.34	4.15	4.27	4.46
October	40	238	39.8	4.02	4.06	4.04	4.27
<u>UNITED STATES</u>							
<u>1982</u>							
July	1,549.0	4,043.4	35.4	3.83	3.78	3.82	4.00
<u>1983</u>							
July	1,478.0	3,749.0	36.5	3.91	3.77	3.88	4.11
<u>1984</u>							
July	1,435.0	3,750.0	36.8	3.93	3.93	3.93	4.16
October	1,025.0	3,059.0	40.2	4.40	4.12	4.31	4.56
<u>1985⁴</u>							
April	907.0	2,821.0	40.1	4.51	3.91	4.26	4.51
July	1,373.0	3,570.0	37.6	4.07	3.97	4.05	4.24
October	1,015.0	2,956.0	38.6	4.47	4.24	4.40	4.56
<u>1986⁵</u>							
April	910.0	2,718.0	34.0	3.90	3.85	3.88	4.15
July	1,233.0	3,204.0	31.5	4.39	4.15	4.32	4.46
October	975.0	2,814.0	39.9	4.61	4.37	4.52	4.83

¹ The quarterly Farm Labor report was dropped in April 1981 and reinstated in July 1984 except for the January quarter, which is an off-season quarter for Iowa. ² Includes all workers and all methods of pay except those workers paid by piece rate. ³ Corn Belt II Region: IA, MO. ⁴ Revised. ⁵ Preliminary.

Crop Exports: United States, By Leading Import Nations¹

U.S. exports by nation, product weight in 1 million metric tons									
Country	Amount	Country	Amount	Country	Amount	Country	Amount	Country	Amount
1981		1982		1983		1984		1985	
CORN									
Japan	11.83	Japan	11.44	Japan	13.05	Japan	13.64	U.S.S.R.	13.05
U.S.S.R.	5.40	U.S.S.R.	6.97	Mexico	4.70	U.S.S.R.	10.62	Japan	10.98
Spain	2.98	Spain	3.75	S. Korea	4.07	Taiwan	2.88	Taiwan	2.97
Mexico	2.83	S. Korea	2.88	Taiwan	3.27	Mexico	2.69	Spain	2.46
Portugal	2.74	Belgium	2.32	U.S.S.R.	3.03	So. Africa	2.53	S. Korea	1.77
All others	28.97	All others	21.43	All others	19.41	All others	16.58	All others	12.70
TOTAL	54.75	TOTAL	48.79	TOTAL	47.53	TOTAL	48.94	TOTAL	43.93
WHEAT									
China	7.44	China	6.83	U.S.S.R.	4.84	U.S.S.R.	7.65	Japan	3.12
U.S.S.R.	4.08	U.S.S.R.	4.29	India	3.50	China	4.07	S. Korea	1.89
Japan	3.36	Japan	3.35	Japan	3.35	Japan	3.38	Egypt	1.65
Brazil	3.00	Brazil	2.55	Brazil	2.63	Brazil	2.59	Nigeria	1.47
S. Korea	2.03	S. Korea	1.87	China	2.46	Morocco	2.51	U.S.S.R.	1.07
All others	24.00	All others	21.89	All others	21.69	All others	22.04	All others	15.60
TOTAL	43.91	TOTAL	40.78	TOTAL	38.47	TOTAL	42.24	TOTAL	24.80
SOYBEANS									
Netherlands	4.39	Netherlands	5.11	Japan	4.59	Japan	4.24	Japan	4.38
Japan	4.00	Japan	4.07	Netherlands	3.79	Netherlands	3.36	Netherlands	2.86
Germany	2.02	Spain	2.97	Spain	1.94	Spain	1.64	Taiwan	1.36
Spain	1.91	Germany	2.04	Germany	1.61	Mexico	1.58	Spain	1.19
Taiwan	1.05	Belgium	1.40	Taiwan	1.38	Taiwan	1.31	Mexico	0.96
All others	8.46	All others	9.88	All others	9.39	All others	7.35	All others	6.14
TOTAL	21.83	TOTAL	25.47	TOTAL	22.70	TOTAL	19.48	TOTAL	16.89
GRAIN SORGHUM									
Japan	2.90	Japan	1.87	Mexico	3.29	Japan	2.23	Japan	2.43
Mexico	2.09	Mexico	1.41	Japan	0.64	Mexico	2.16	Mexico	1.73
Venezuela	0.72	Spain	0.52	Israel	0.44	Israel	.59	Venezuela	0.93
Spain	0.55	Venezuela	0.50	Venezuela	0.29	Spain	.39	Israel	0.48
Israel	0.45	S. Korea	0.40	Portugal	0.14	Venezuela	.34	Sudan	0.44
All others	1.29	All others	1.32	All others	0.48	All others	1.08	All others	0.64
TOTAL	8.00	TOTAL	6.02	TOTAL	5.28	TOTAL	6.79	TOTAL	6.65
TOTAL OTHER CROPS EXPORTED:									
RICE									
TOTAL	3.20	TOTAL	2.57	TOTAL	2.42	TOTAL	2.19	TOTAL	1.96
BARLEY									
TOTAL	1.96	TOTAL	1.22	TOTAL	1.52	TOTAL	1.97	TOTAL	0.70
OATS									
TOTAL	0.10	TOTAL	0.02	TOTAL	0.01	TOTAL	0.01	TOTAL	0.01

¹ Does not include grain sold for seed or processed products (flour, oils, canned goods).

U.S. Meat Imports, By Countries

Product and year	Imports, by country of origin, product weight						Total imports
	Canada	Argentina	Denmark	Australia	New Zealand	All Other	Product weight
Million pounds							
Beef and veal							
1980	94.4	73.8	3.2	801.8	329.3	246.9	1,549.4
1981	119.4	67.9	8.8	567.7	341.2	224.0	1,319.0
1982	125.1	65.8	3.0	717.1	345.8	203.4	1,460.2
1983	130.4	84.8	2.0	614.6	360.1	224.0	1,415.0
1984 ¹	167.7	76.8	7.9	536.4	320.9	201.3	1,311.0
1985 ²	194.7	95.7	7.4	585.9	382.6	226.4	1,492.7
Lamb and mutton							
1980	0.1	-	-	5.0	28.9	0.1	34.1
1981	- ³	-	-	3.5	27.8	0.4	31.7
1982	0.1	-	-	3.4	15.6	0.2	19.3
1983	- ³	-	-	4.3	14.8	0.4	19.5
1984	- ³	-	-	3.8	15.6	- ³	19.4
1985 ²	0.3	-	-	8.1	26.5	- ³	34.9
Pork							
1980	200.9	-	71.8	0.4	-	160.3	433.4
1981	198.9	-	97.7	0.4	-	134.6	431.6
1982	277.2	-	107.5	0.3	-	113.3	498.3
1983	273.0	-	130.2	-	-	151.9	555.1
1984 ¹	352.9	-	254.8	0.4	-	176.1	784.2
1985 ²	418.5	-	325.9	0.4	-	189.6	934.4
Total⁴							
1980	297.2	73.9	87.9	807.1	358.2	410.7	2,035.0
1981	319.9	68.0	121.5	571.6	369.1	364.2	1,814.3
1982	409.1	66.8	127.7	721.5	363.1	327.3	2,015.5
1983	412.5	86.4	147.7	620.8	375.7	387.4	2,030.5
1984	531.9	78.0	277.1	542.6	337.5	393.1	2,160.2
1985 ²	623.3	96.2	349.1	597.7	410.8	433.9	2,511.0

¹Revised. ²Preliminary. ³Less than 50,000 pounds. ⁴Includes quantities of other canned, prepared, or preserved meat n.e.s.

U.S. Meat Exports, By Countries

Product and year	Exports, by destination, product weight				
	Canada	Bahamas	Japan	All Other	Total
Million pounds					
Beef and veal					
1980	10.9	7.2	75.5	37.6	131.2
1981	18.2	6.3	96.3	43.8	164.6
1982	14.7	4.9	117.2	52.0	188.8
1983	14.0	6.1	133.5	51.4	205.0
1984	25.7	6.8	174.1	39.2	245.8
1985 ¹	19.7	4.6	184.5	32.6	241.4
Pork					
1980	33.3	5.4	61.1	85.9	185.7
1981	30.2	5.4	88.3	98.5	222.4
1982	19.3	3.3	68.2	62.3	153.1
1983	21.1	3.5	79.0	52.5	156.1
1984	13.2	3.0	42.1	57.5	115.8
1985 ¹	7.3	3.0	20.6	58.8	89.7

¹Preliminary.